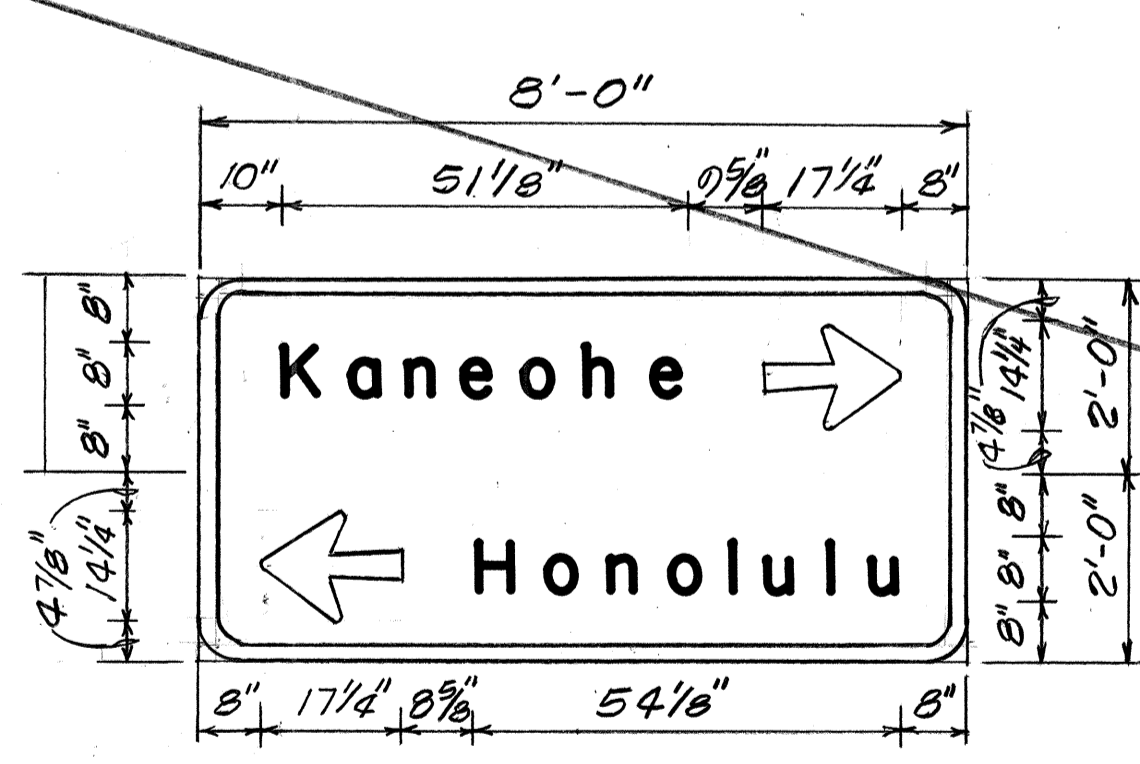
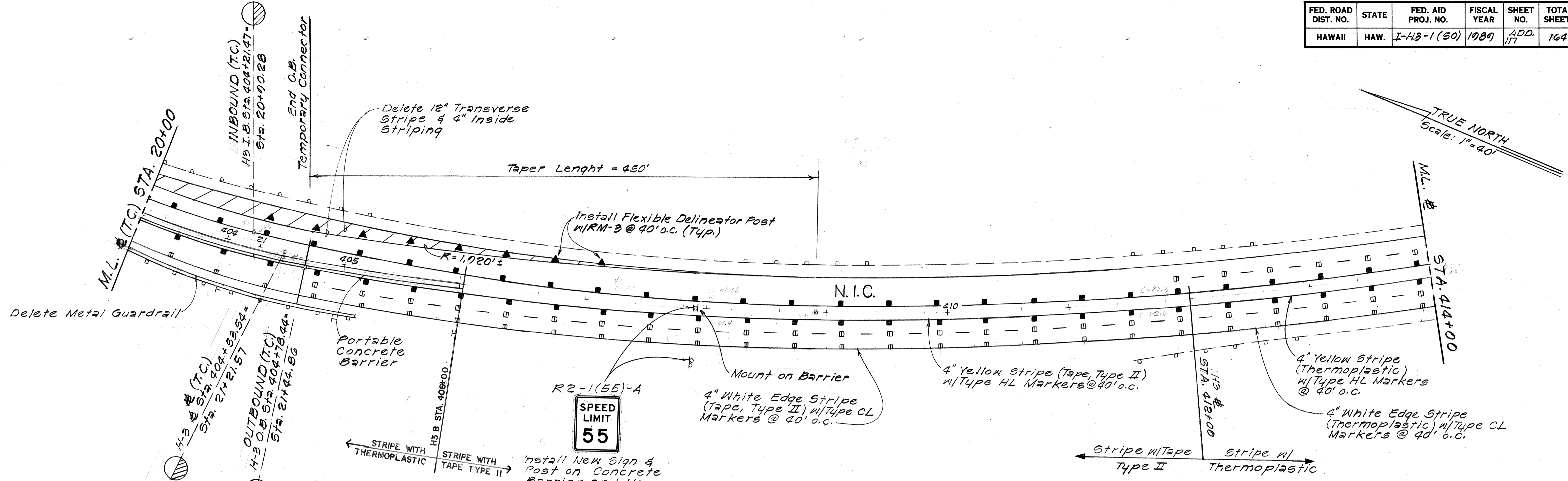
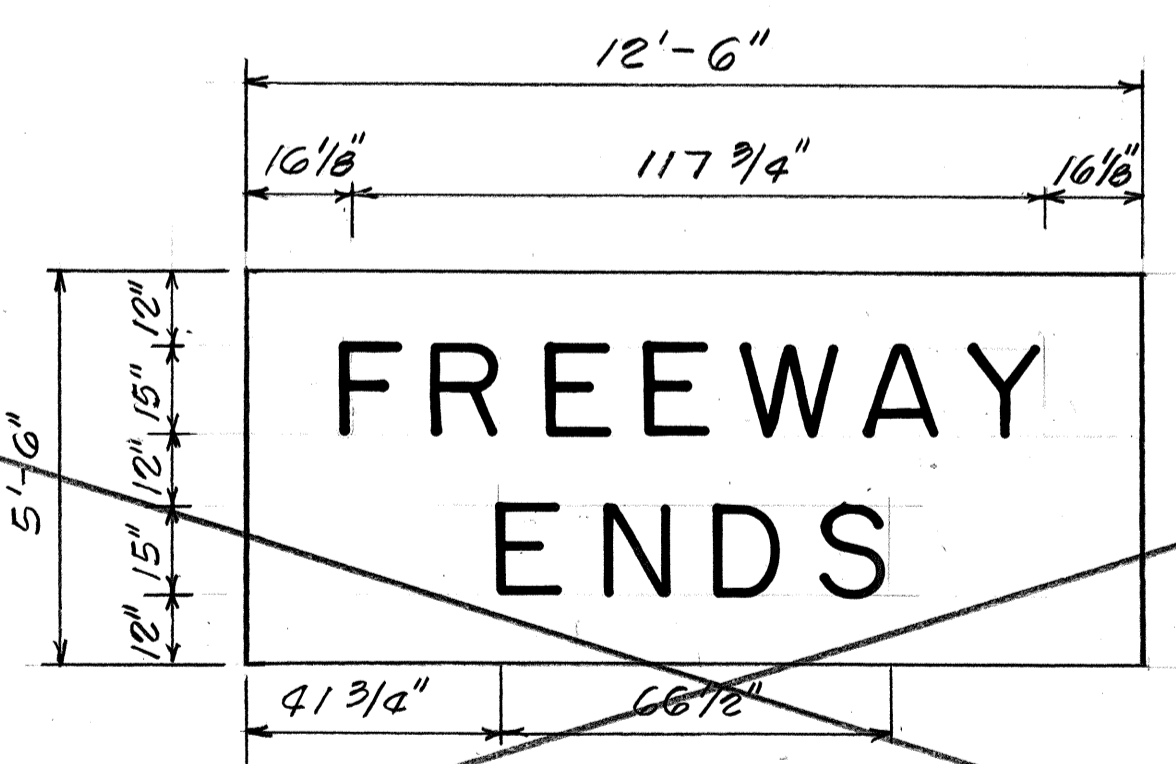


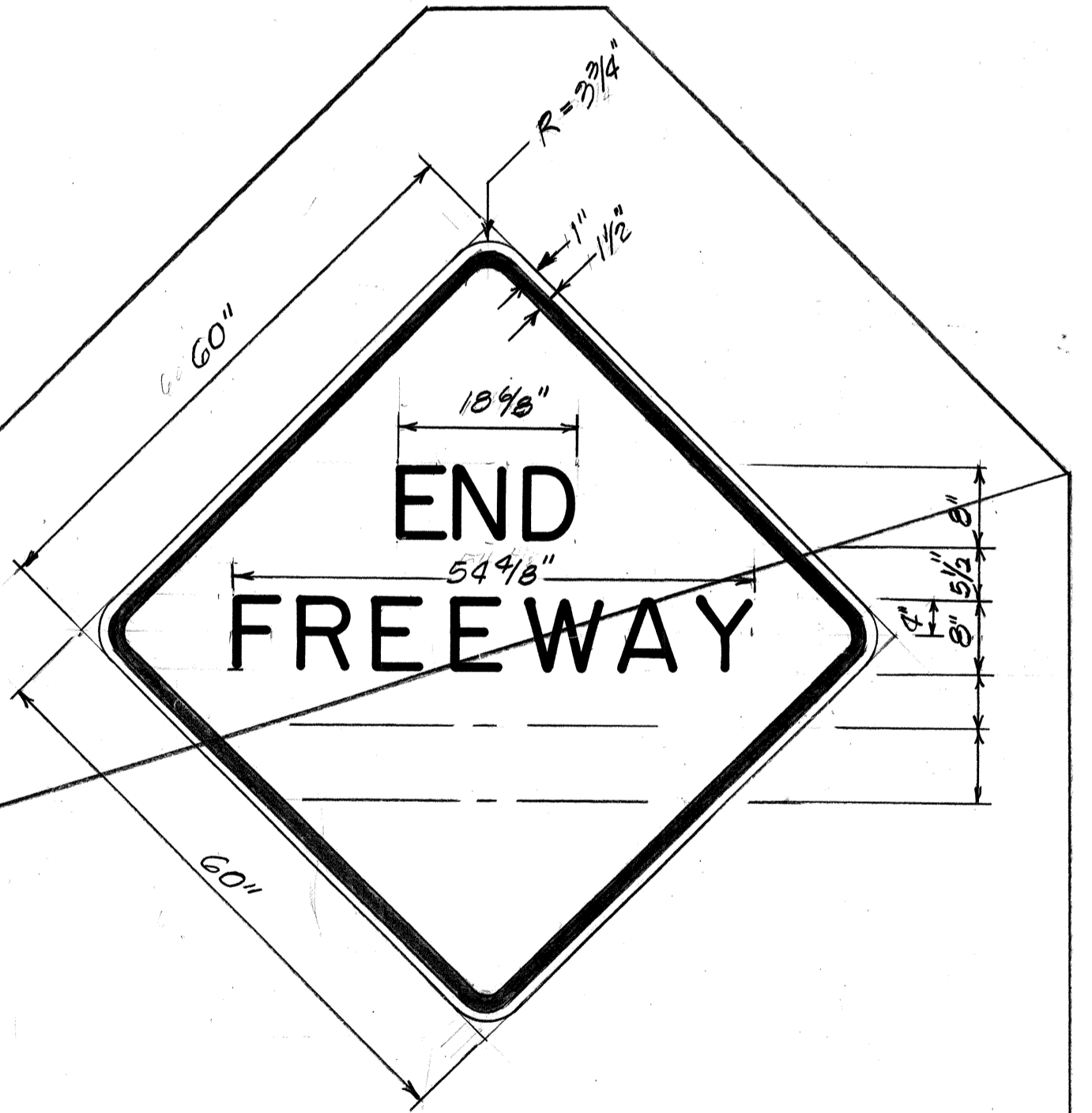
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-43-1(50)	1989	ADD. 117	164



SIGN D-6
Scale: 1/2" = 1'-0"



SIGN WD-5
Scale: 3/8" = 1'-0"



SIGN W16-1
Scale: 3/4" = 1'-0"

DELETE FROM CONTRACT

DATE	REVISION
5/15/91	Revised Signing, Marking Plan
2/15/89	Revised Striping Plans

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & MARKING PLAN

INTERSTATE ROUTE H-3
F.A.I. PROJ. No. I-43-1(50)

Scale: 1" = 40' Date: Feb., 1989

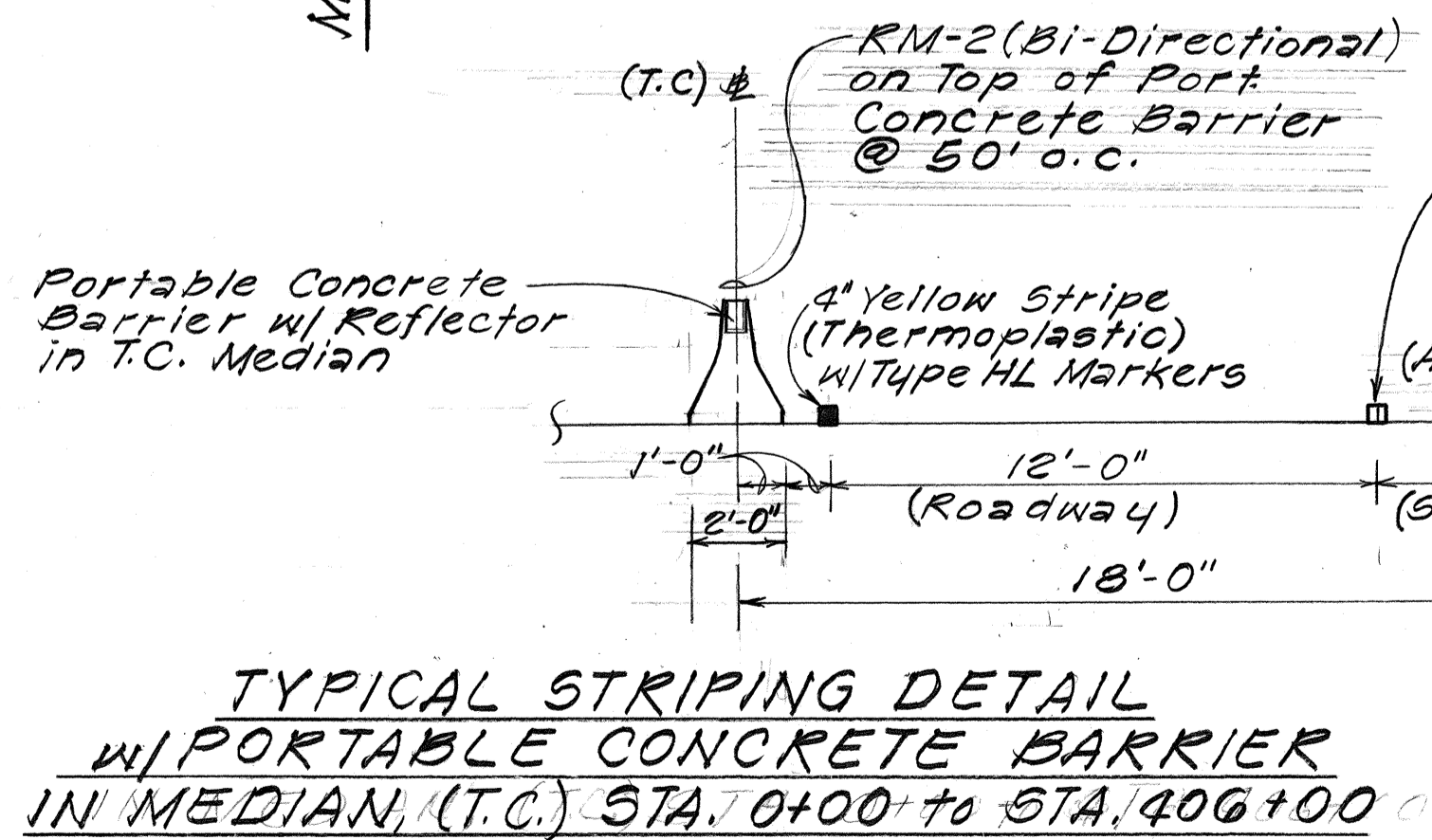
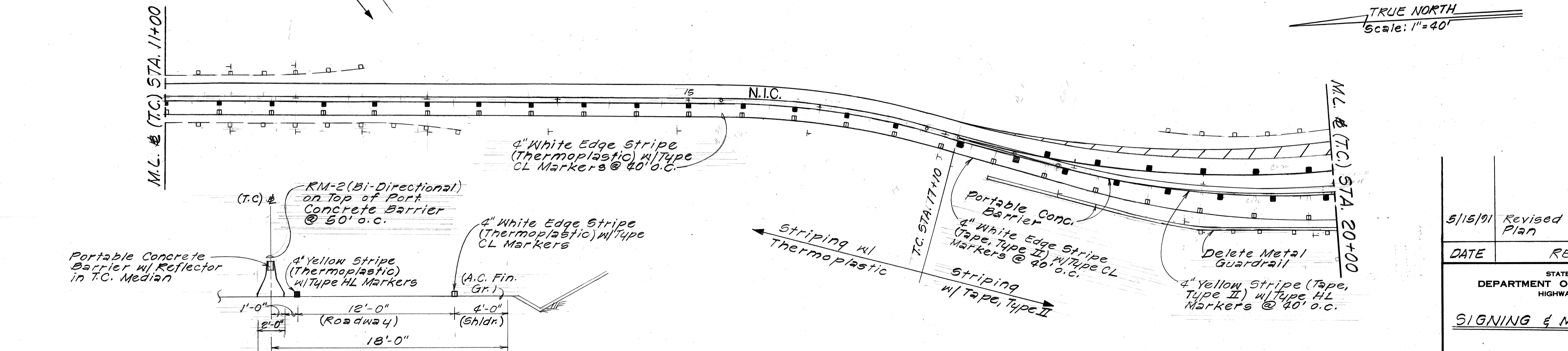
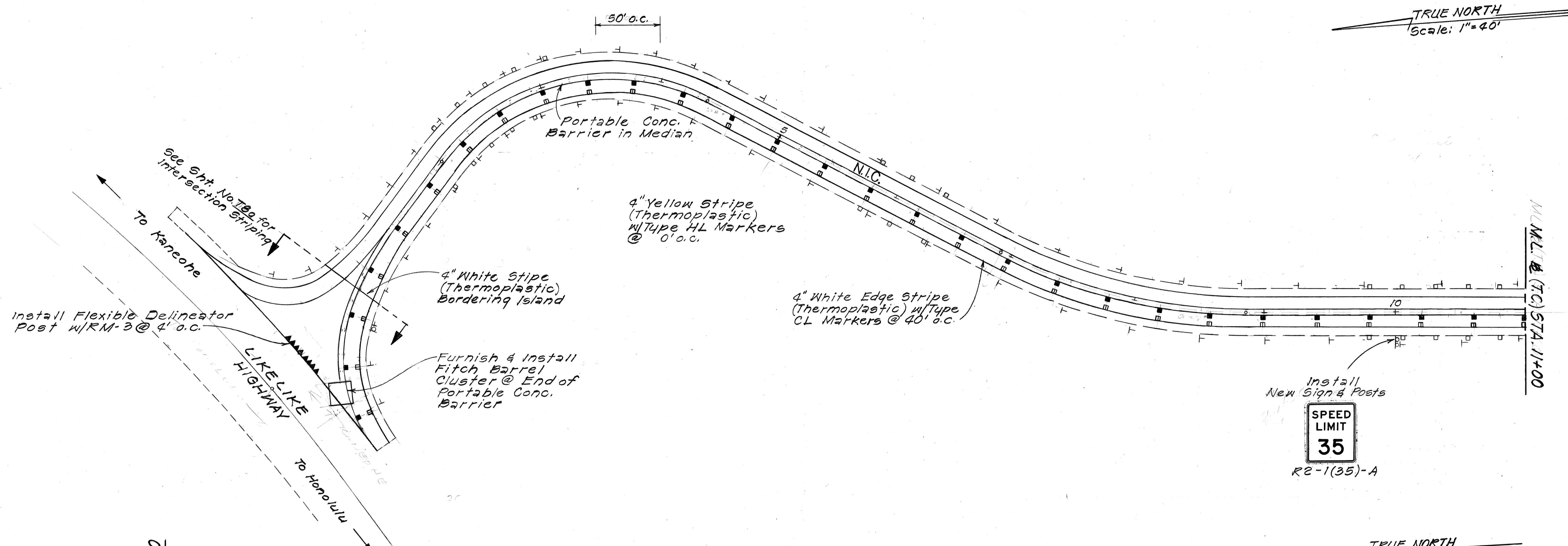
SHEET No. 71 OF 21 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
FRAGED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

AS BUILT

C.O. ADD. 117

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1980	ADD. 117S-1	164



TYPICAL STRIPING DETAIL
 W/ PORTABLE CONCRETE BARRIER
 IN MEDIAN, (T.C.) STA. 0+00 TO STA. 406+00

NTS

5/15/91 Revised Signing, Marking Plan

DATE REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNING & MARKING PLAN

INTERSTATE ROUTE H-3
 F.A.I. PROJ. No. I-H3-1(50)

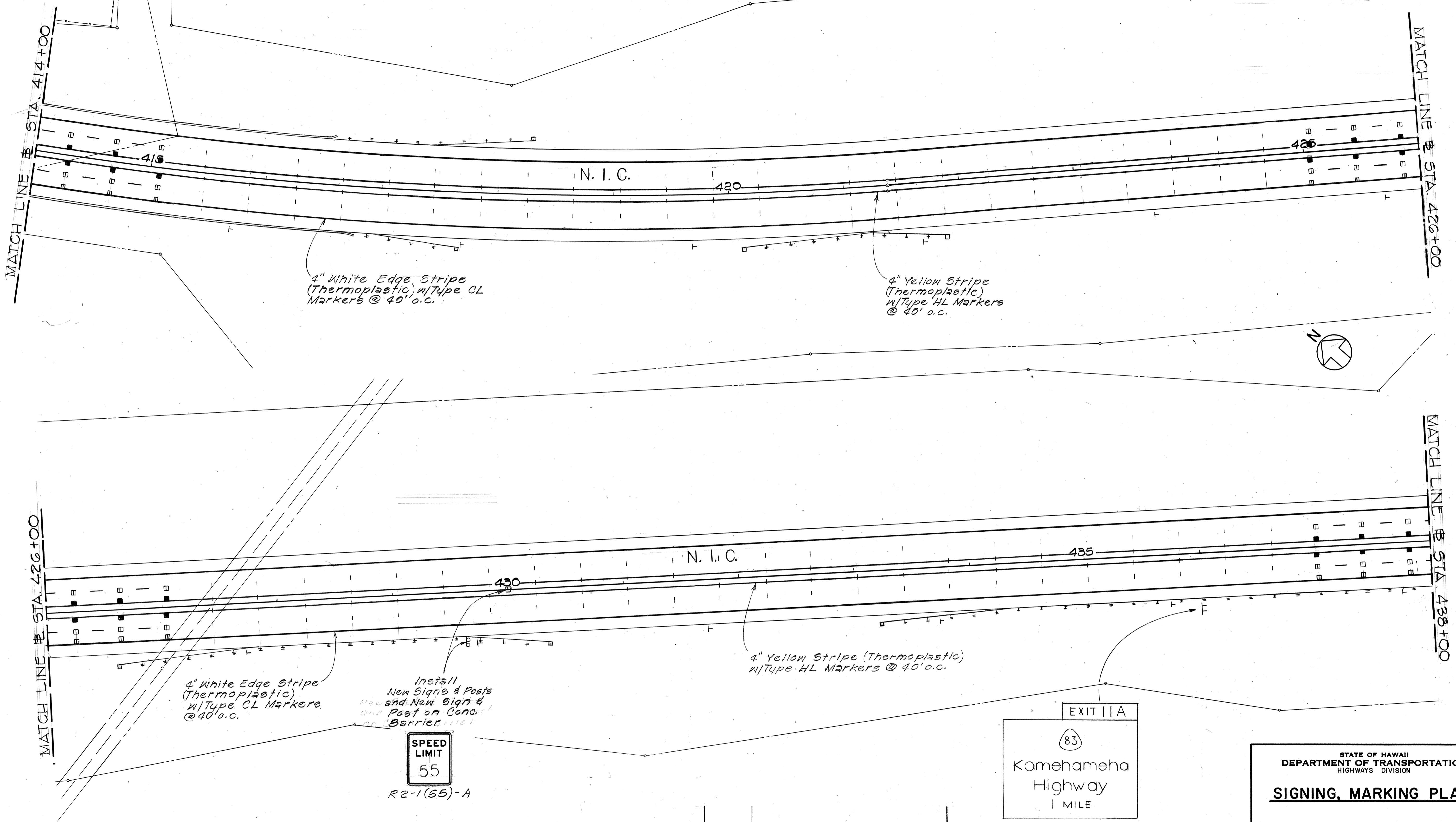
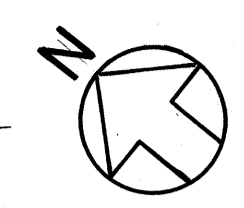
Scale: 1" = 40' Date: Feb., 1980

SHEET No. 71A OF 21 SHEETS

C.O. ADD. 117S-1

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1989	118	164



4" White Edge Stripe
(Thermoplastic) w/Type CL
Markers @ 40' o.c.

4" Yellow Stripe
(Thermoplastic)
w/Type HL Markers
@ 40' o.c.

4" White Edge Stripe
(Thermoplastic)
w/Type CL Markers
@ 40' o.c.

Install
New Signs & Posts
New and New Sign &
Post on Conc.
Barrier

**SPEED
LIMIT**
55

R2-1(55)-A

4" Yellow Stripe (Thermoplastic)
w/Type HL Markers @ 40' o.c.

EXIT 11A
83
Kamehameha
Highway
1 MILE
D-1

ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

5/15/01	Revised Signing, Marking Plan
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

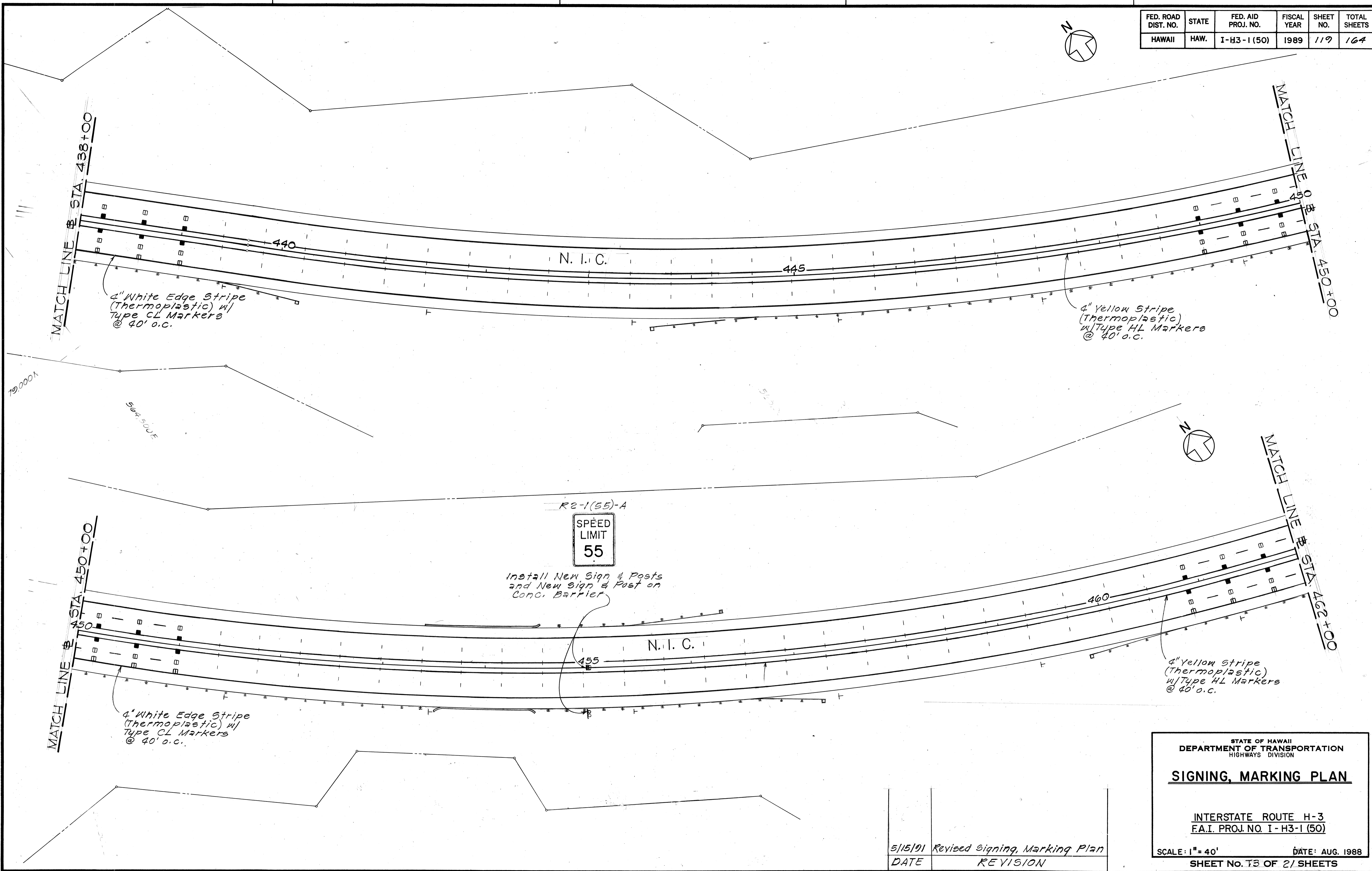
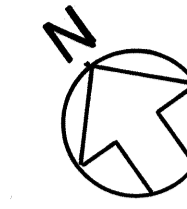
SIGNING, MARKING PLAN

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(50)

SCALE: 1" = 40' DATE: AUG. 1988

SHEET NO. 12 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1989	119	164



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

5/15/91	Revised Signing, Marking Plan
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

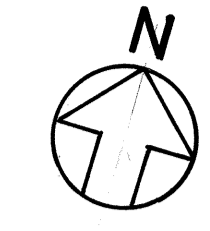
SIGNING, MARKING PLAN

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(50)

SCALE: 1" = 40' DATE: AUG. 1988
SHEET NO. 13 OF 21 SHEETS

C.O. 119

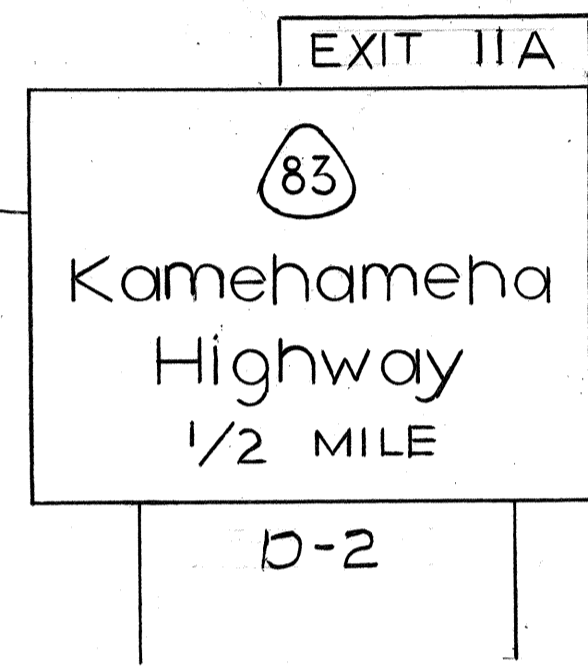
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I - H3-1 (50)	1989	120	164



MATCH LINE # STA. 462+00

MATCH LINE # STA. 474+00

78,500 N



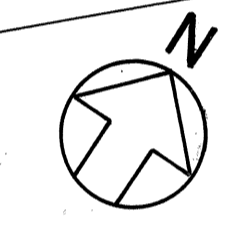
4" White Edge Stripe (Thermoplastic) w/Type CL Markers @ 40' o.c.

R2-1 (55)-A



Install New Sign & Posts w/RM-1 and New Sign & Post on Concrete Barrier

4" Yellow Stripe (Thermoplastic) w/Type HL Pav't. Markers @ 40' o.c.



MATCH LINE # STA. 486+00

MATCH LINE # STA. 474+00

4" White Edge Stripe (Thermoplastic) w/Type CL Markers @ 40' o.c.

4" Yellow Stripe (Thermoplastic) w/Type HL Pav't. Markers @ 40' o.c.

ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
No.	

DATE	REVISION
5/15/91	Revised Signing, Marking Plan

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING, MARKING PLAN

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I - H3-1 (50)

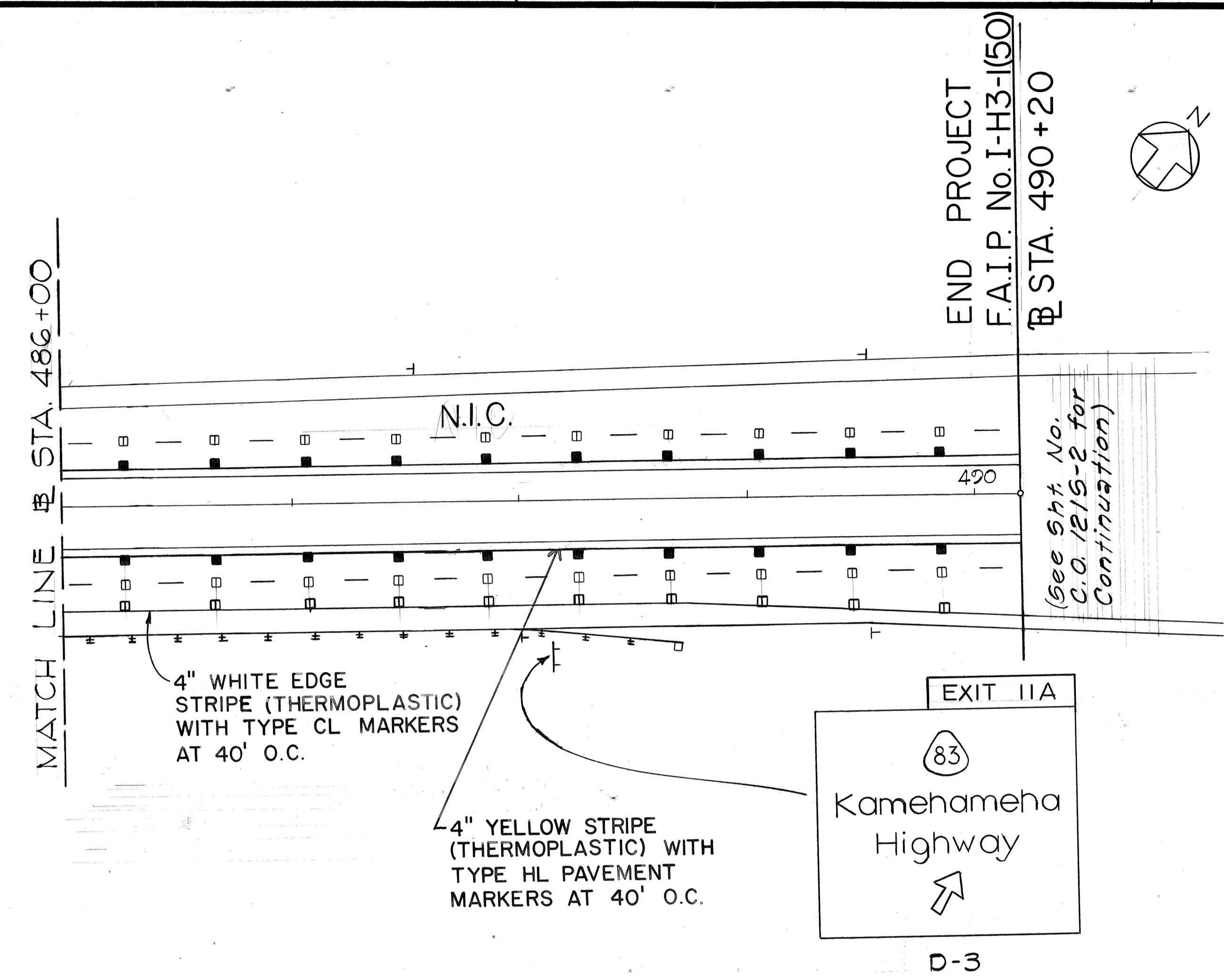
SCALE: 1" = 40' DATE: AUG. 1988

SHEET No. 14 OF 21 SHEETS

C.O. 120

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1 (50)	1989	ADD. 121	164

N.I.C.



DESCRIPTION	QUANTITY
RAISED PAVEMENT MARKERS	
TYPE A	1,840 EACH
TYPE CL	400 "
TYPE HL	500 "
TYPE DL	100 "
4" Yellow Pavement Striping (Paint)	22,700 L.F.
4" White Edge Striping (Paint)	22,700 L.F.
4" Double Yellow Stripe (Paint)	1,700 L.F.
12" Transverse Stripe (Paint)	400 L.F.

TYPE	DESCRIPTION	QUANTITY			TYPE	DESCRIPTION	QUANTITY		
		w/ Post	w/o Post	Mounted on Barrier			w/ Post	w/o Post	Mounted on Barrier
W1-B	CHEVRON	6	6		R2-5b(25)A	REDUCED SPEED	1		1
W4-2(R)	MERGE LEFT	1		1	R2-5b(25)A	REDUCED SPEED	1		1
IM3-2A	EAST		4		W16-1	END FREEWAY	1		
M5-1(R)	ARROW		1		IM3-4-A	WEST		1	
M6-1	RIGHT ARROW		3		IM-1(2)	H-3	5		
R2-1(25)A	SPEED LIMIT	2			R2-1(35)A	SPEED LIMIT	6	4	3
R2-1(35)A	SPEED LIMIT	1		1	R2-5b(45)A	REDUCED SPEED	1		1
R2-1(45)A	SPEED LIMIT	1	1	1					

SIGNING & PAVEMENT MARKING NOTES

- The final locations of all signs shall be approved by the Engineer.
- Backing for all new regulatory and warning signs shall not be spliced.
- Locations of all new pavement markings shall be staked out by the Contractor for approval by the Engineer prior to installation.
- Striping shall be Thermoplastic unless otherwise specified on the plans.
- Reflector Marker with metal post shall be installed behind guardrails. All other reflector marker installations shall be with flexible posts.

LEGEND

- 4 each Type "A" Pavement Markers
- Type "CL" Pavement Markers
- 4" Yellow Stripe w/Type "HL" Pavement Markers @ 40'-0" o.c.
- Reflector Marker (RM-1)
- Reflector Marker (RM-2)
- Flexible Delineator Post w/RM-3 @ 40' o.c.
- 4" Double Solid Yellow Stripe w/Type "DL" Raised Pavement Markers @ 20' o.c.

TYPE	DESCRIPTION	w/o Post		w/post	
		Metal	Flexible	Metal	Flexible
RM-1	Reflector Marker	6	89	01	
RM-2	"			7	
RM-3	"			8	

5/15/91	Revised Signing, Marking Plan
2/13/89	Revised Sign, Summary and Legend
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING, MARKING PLAN

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1 (50)

SCALE: 1" = 40' DATE: AUG. 1988

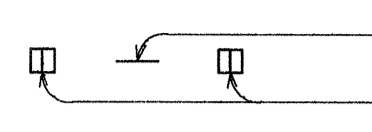
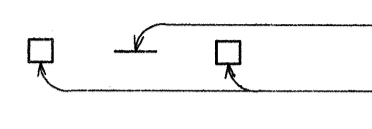
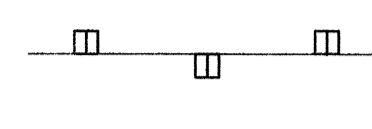
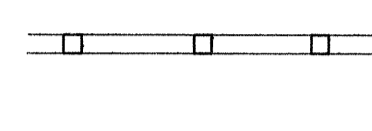
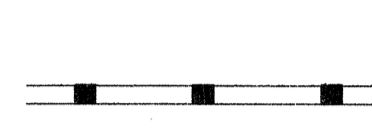


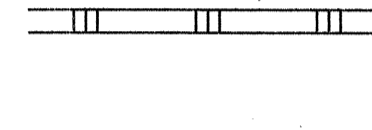



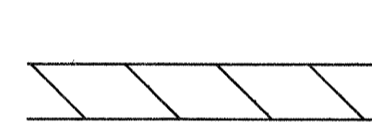
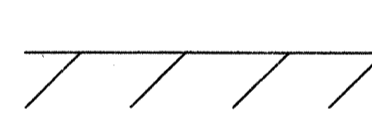
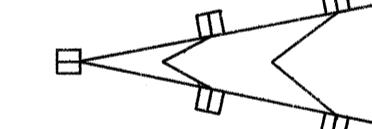
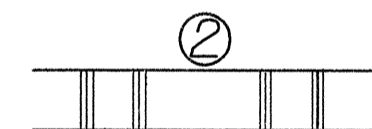
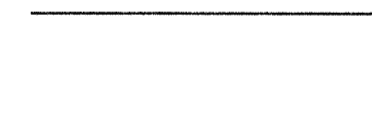


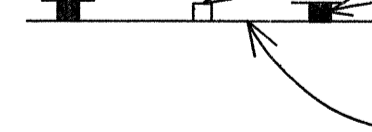
SHEET No. 75 OF 21 SHEETS

DATE	
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

AS BUILT

C.O. ADD. 121

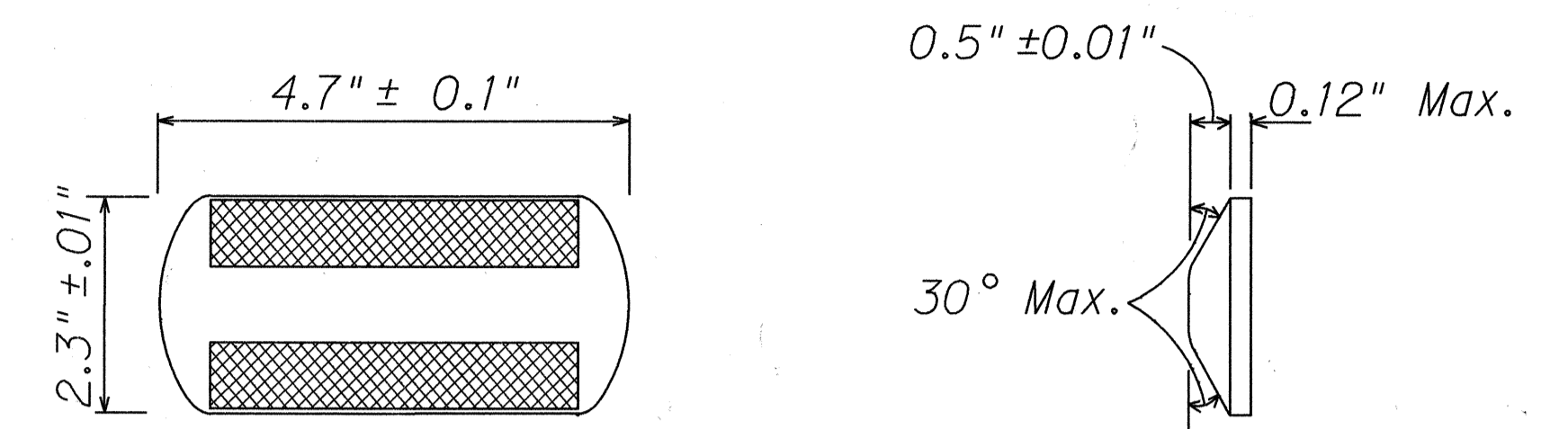
LEGEND

-  4 each Type A Raised Pavement Markers
Type CL Raised Pavement Markers @ 40'-0" o.c.
-  4 each Type J Raised Pavement Markers
Type DL Raised Pavement Markers @ 40'-0" o.c.
-  8" White Stripe with Type CL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" Double Solid Yellow with Type DL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" Double Solid Yellow Stripes with Type HL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" Yellow Edge Stripe with Type HL Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" Double Solid White Stripes with Type CL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  Lane Change Restriction Marking
4 each Type A Raised Pavement Markers
Type CL Raised Pavement Markers @ 20'-0" o.c.
4" White Stripe (Tape, Type I or Thermoplastic Extrusion)
-  4" or 8" White Edge Stripe with Type CL Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" White Guide Lines (Thermoplastic Extrusion)
-  Transverse Median Marking (Tape, Type II or Thermoplastic Extrusion)
-  Transverse Shoulder Marking (Tape, Type II or Thermoplastic Extrusion)
-  Channelizing Island or Deceleration Lane Gore (Tape, Type II or Thermoplastic Extrusion)
-  Crosswalk and Stop Line. All Stop Lines shall be 10'-0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment. (Thermoplastic Extrusion)
-  Pavement Arrow (Tape, Type I or Thermoplastic Extrusion)
-  Pavement Word (Tape, Type I or Thermoplastic Extrusion)
-  4 Each Type J Raised Pavement Markers
Type DL Raised Pavement Markers @ 40'-0" o.c.
Type HL Raised Pavement Markers (Reflective Surface facing no-passing direction)
-  4" Single Solid Yellow Stripe (Tape, Type I or Thermoplastic Extrusion)
-  Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe @ 10'-0" o.c. w/Type CL Markers @ 40'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)

NOTES

1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
3. Raised pavement markers shall not be installed within crosswalks.
4. Details of Type C, Type D and Type H Markers on Standard Plan Nos. TE-30, TE-31 and TE-32 shall be deleted and replaced with details of Type CL, Type DL and Type HL Markers as shown on this sheet. All references to Type C, Type D and Type H Markers in the plans shall mean Type CL, Type DL and Type HL Markers.
5. Final locations of all signs shall be approved by the Engineer prior to any installation work.
6. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
7. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
8. All pavement striping shall be as noted on the Legend or plans.
9. All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.

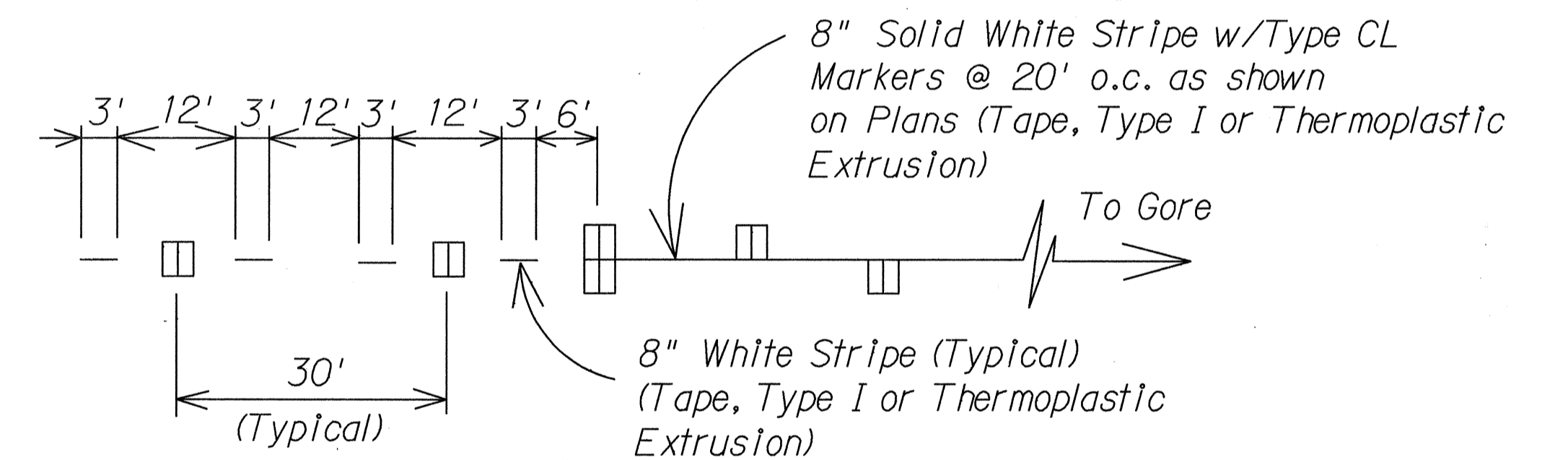
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(150)	1991	C.O. 121S-1	164



TYPE CL
Red-Clear Reflective Marker
or
TYPE DL
Two-Way Yellow Reflective Marker
or
TYPE HL
One-Way Yellow Reflective Marker

RAISED PAVEMENT MARKER DETAILS

Not to Scale



LANE DROP MARKING

Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PAVEMENT MARKING
LEGEND, DETAILS & NOTES**

Interstate Route H3
F.A.I. Project No. I-H3-1(150)

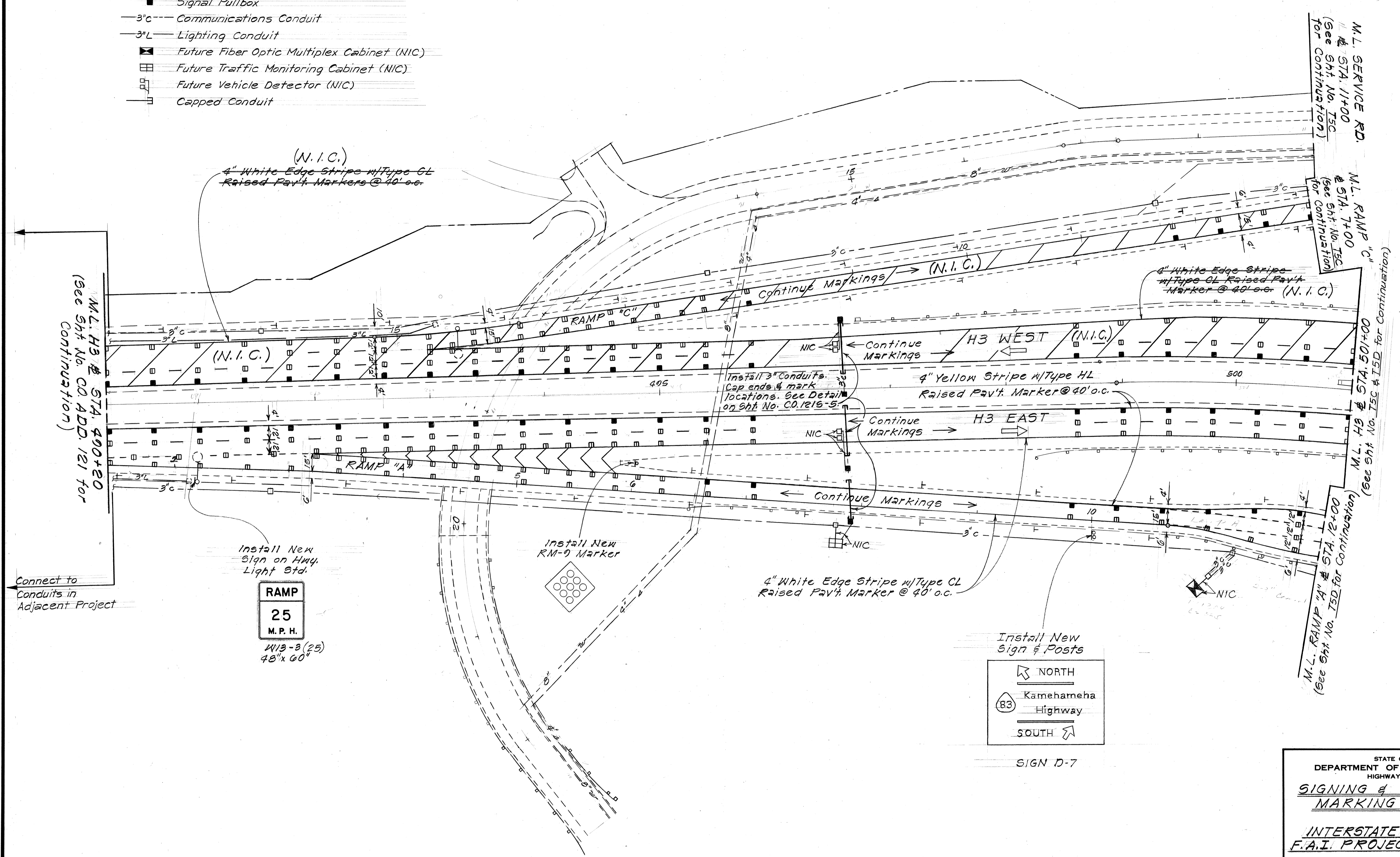
Scale: 1" = 40'-0" Date: Dec., 1990

SHEET No. 754 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1991	C.O. 1215-2	164

- LEGEND**
- Existing Lighting Pullbox
 - Communications Pullbox
 - Signal Pullbox
 - 3" C— Communications Conduit
 - 3" L— Lighting Conduit
 - ⊠ Future Fiber Optic Multiplex Cabinet (NIC)
 - ⊠ Future Traffic Monitoring Cabinet (NIC)
 - ⊠ Future Vehicle Detector (NIC)
 - Capped Conduit

TRUE NORTH
Scale: 1" = 40'



M.L. H3 # STA. 490+20
(See Sht. No. CO. ADD. 121 for Continuation)

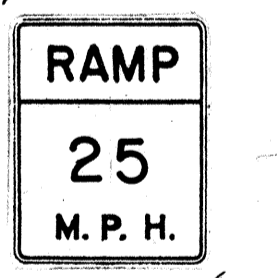
M.L. SERVICE RD.
STA. 11+00
(See Sht. No. 15C for Continuation)

M.L. RAMP 'C'
STA. 7+00
(See Sht. No. 15C for Continuation)

M.L. H3 # STA. 501+00
(See Sht. No. 15C & 15D for Continuation)

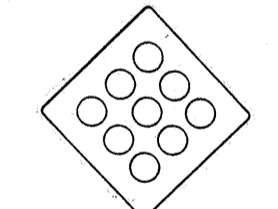
M.L. RAMP 'A'
STA. 12+00
(See Sht. No. 15D for Continuation)

Install New Sign on Hwy. Light Std.



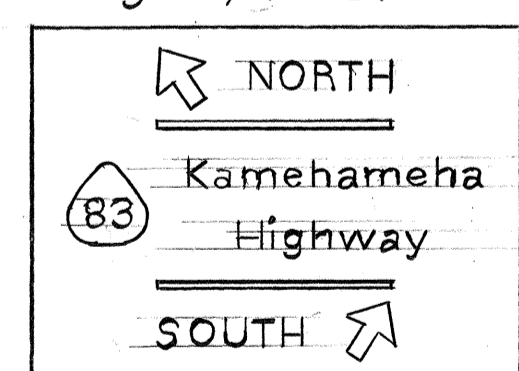
W13-3(25)
48" x 60"

Install New RM-9 Marker



4" White Edge Stripe w/Type CL Raised Pav't Marker @ 40' o.c.

Install New Sign & Posts



SIGN D-7

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
INTERSTATE ROUTE H3
F.A.I. PROJECT No. I-H3-1(50)
Scale: 1" = 40' Date: Dec., 1990
SHEET No. 15B OF 21 SHEETS

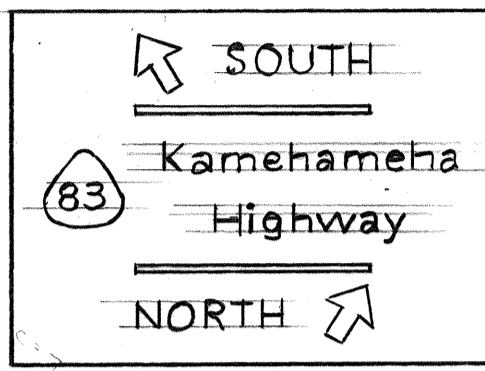
C.O. 1215-2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-43-1(50)	1991	C.O. 1215-3	164

M.L. KAM. HWY. # STA. 106+00
(See Sht. No. 156 for Continuation)

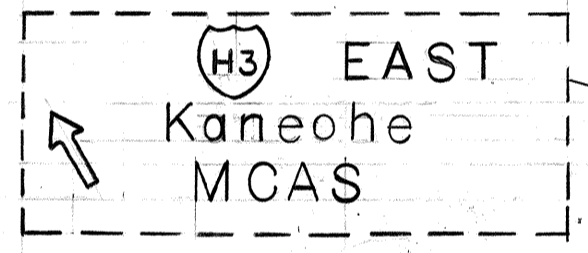
Install New RM-9 Marker

4" White Edge Stripe w/Type CL Raised Pav't Markers @ 40' o.c.
Install New Sign & Posts



TRUE NORTH
Scale: 1" = 40'

Exist Sign on Exist Frame on Structure to Remain



SERVICE ROAD
M.L. STA. 11+00
STA. No. 15B
(See Continuation)

RAMP "C"
STA. 7+00
M.L. STA. sht. for Continuation
(See Continuation)

RAMP "C"
STA. 50+00
M.L. H3 # STA. 15B for Continuation
(See Continuation)

M.L. KAM. HWY. # STA. 112+00
(See Sht. No. 15D for Continuation)

M.L. H3 # STA. 500+50
(See Sht. No. 15E for Continuation)

M.L. RAMP "D"
STA. 8+00
(See Sht. No. 15E for Continuation)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKING PLAN

INTERSTATE ROUTE H3
F.A.I. PROJECT NO. I-H3-1(50)

Scale: 1" = 40' Date: Dec., 1990

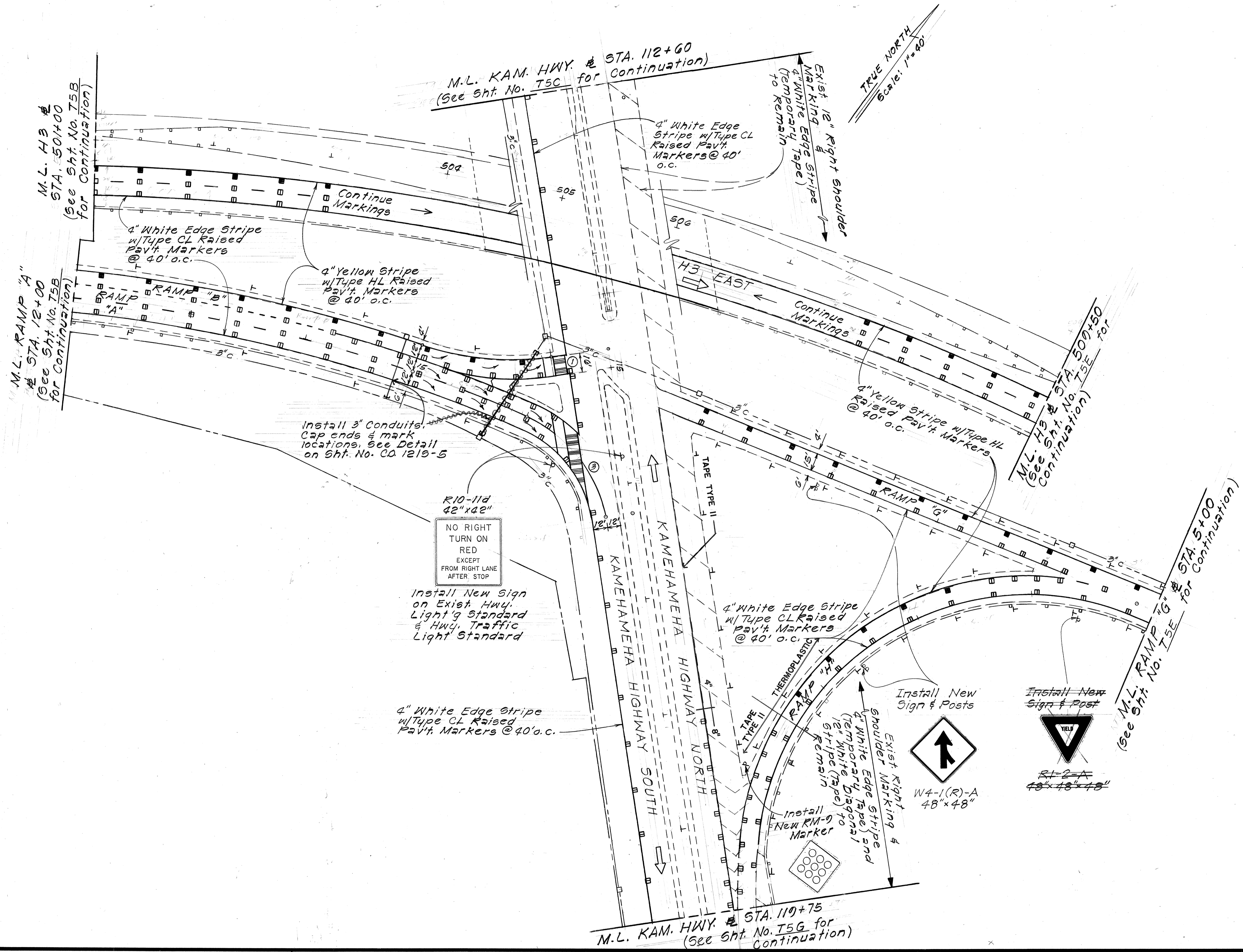
SHEET NO. 150 OF 21 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

AS BUILT

C.O. 1215-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1991	C.O. 1215-4	167



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**SIGNING & PAYEMENT
MARKING PLAN**

INTERSTATE ROUTE H3
F.A.I. PROJECT No. I-H3-1(50)

Scale: 1"=40' Date: Dec., 1990

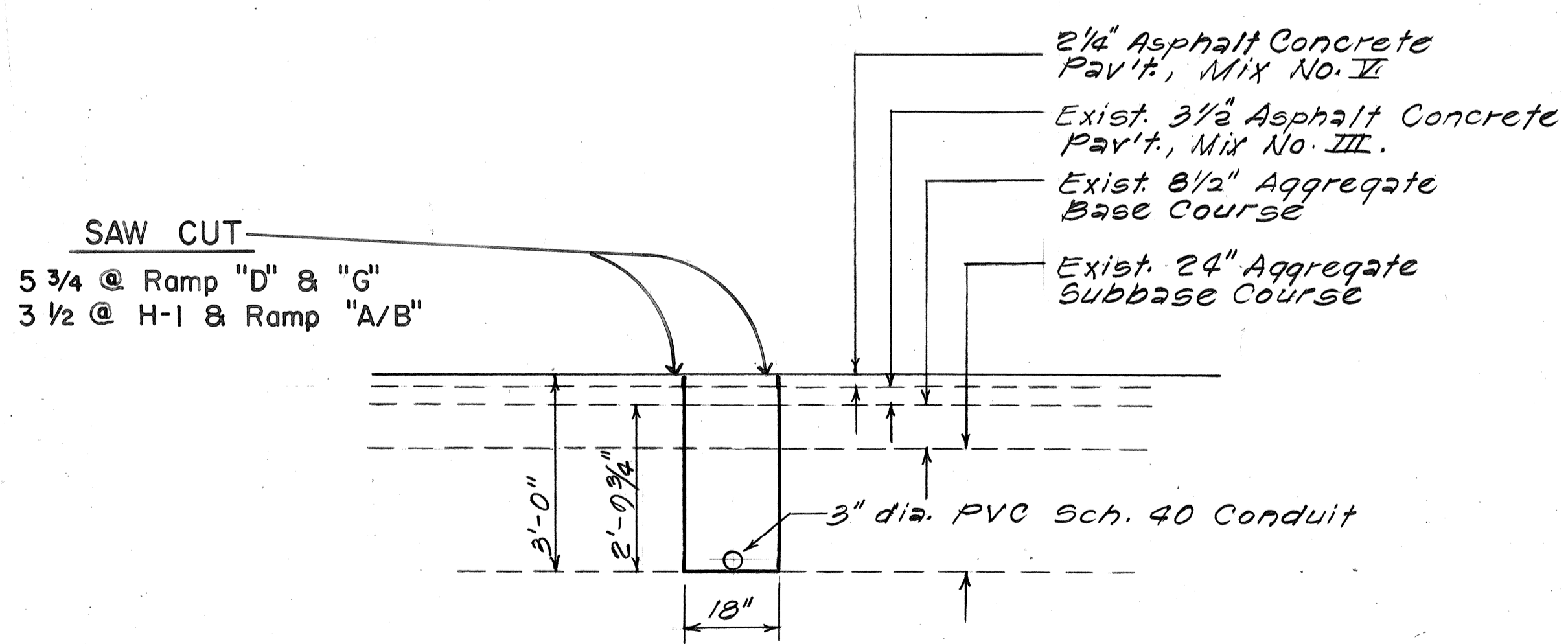
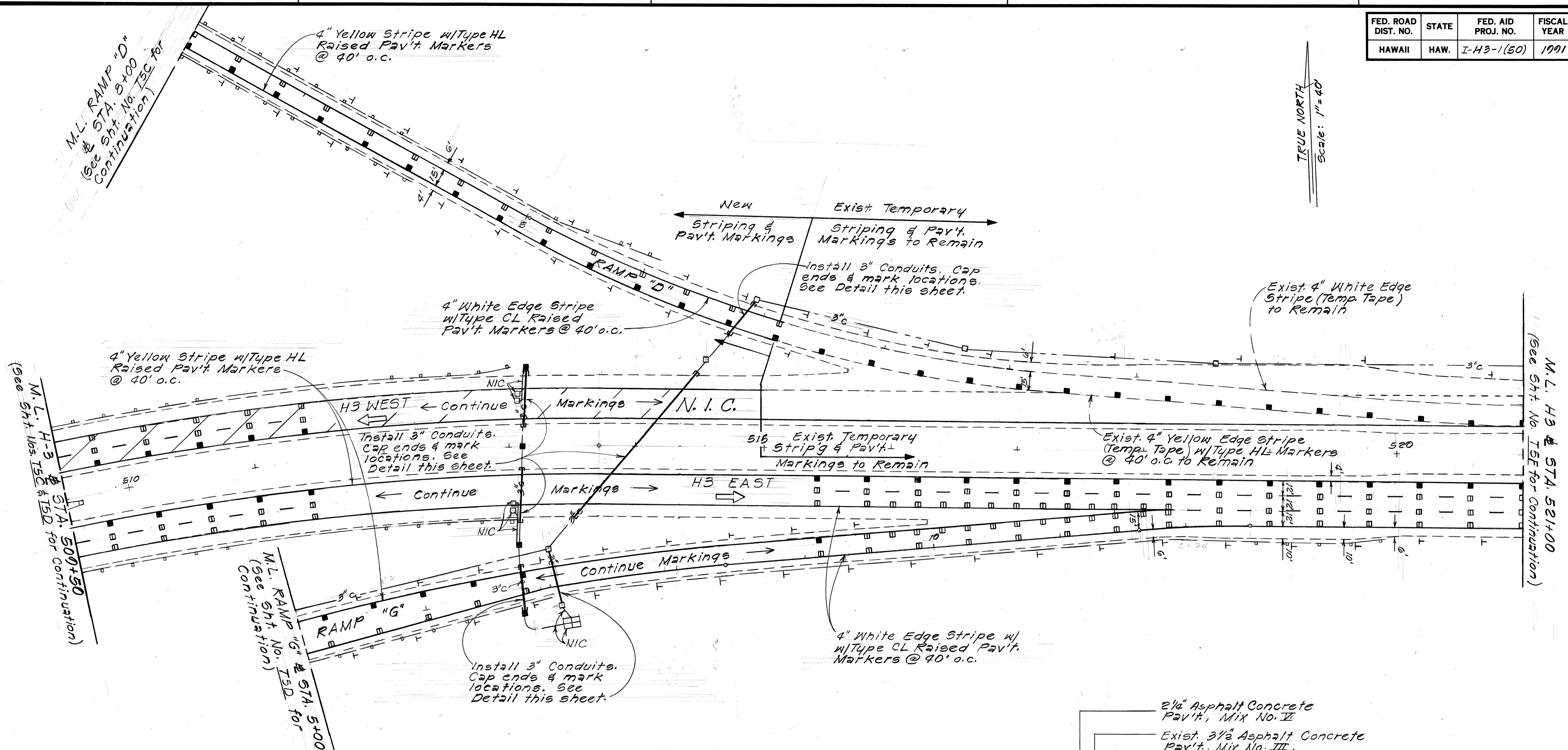
SHEET No. 75D OF 21 SHEETS

AS BUILT

C.O. 1215-4

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1991	C.O. 1215-5	164

TRUE NORTH
Scale: 1"=40'



TRENCHING DETAIL FOR
3" CONDUIT AT CROSSINGS
Scale: 1/2" = 1'-0"

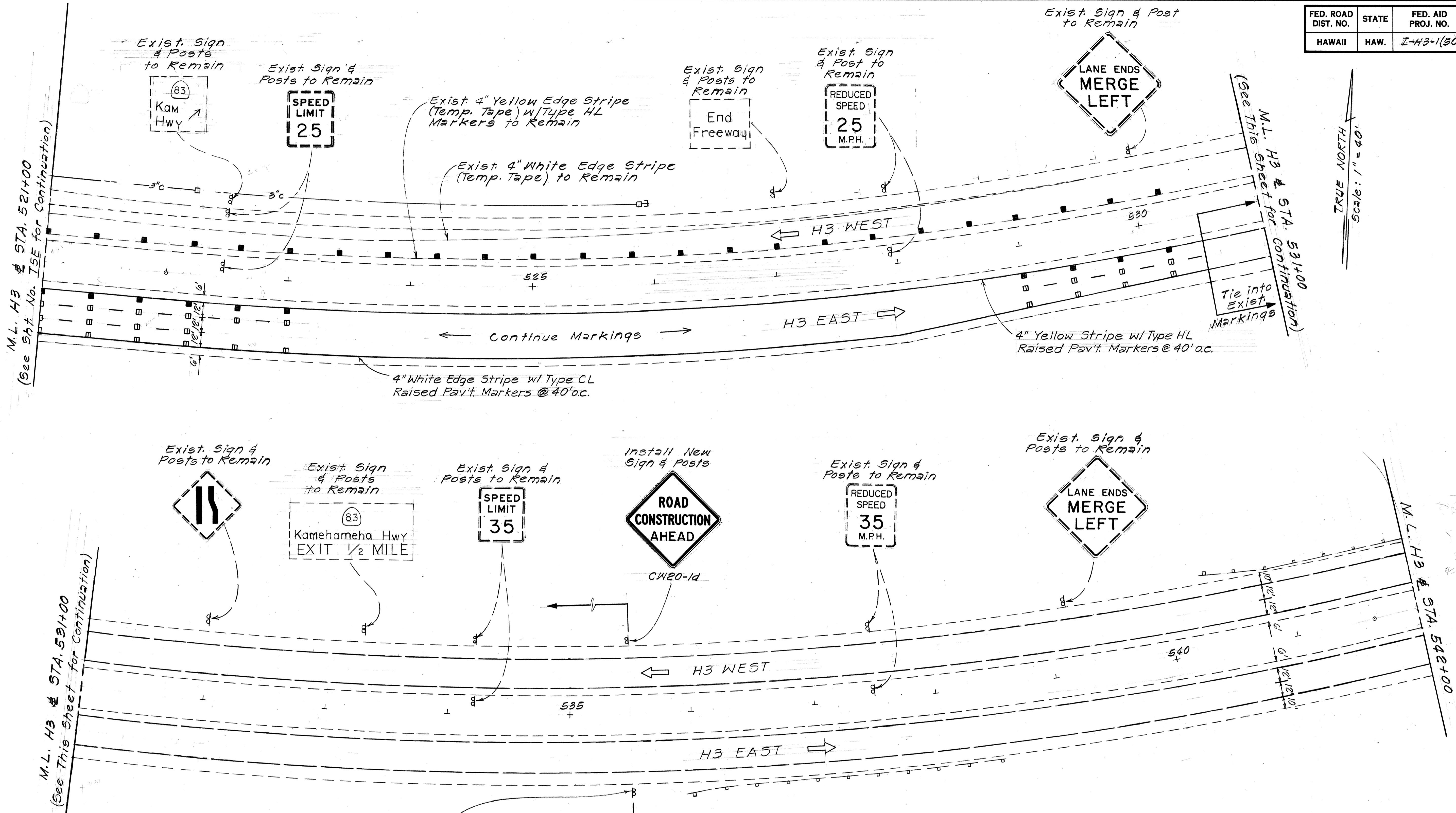
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**SIGNING & PAVEMENT
MARKING PLAN**
INTERSTATE ROUTE H3
F.A.I. PROJECT No. I-H3-1(50)
Scale: 1" = 40' Date: Dec., 1990
SHEET No. 156 OF 21 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

AS BUILT

C.O. 1215-5

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-43-1(50)	1991	C.O. 1215-6	167



TRUE NORTH
Scale: 1" = 40'

TRUE NORTH
Scale: 1" = 40'

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**SIGNING & PAVEMENT
MARKING PLAN**

INTERSTATE ROUTE H3
F.A.I. PROJECT NO. I-43-1(50)

Scale: 1" = 40' Date: Dec., 1990

SHEET NO. 15 OF 21 SHEETS


C.O. 1215-6


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1991	C.O. 1215-7	164

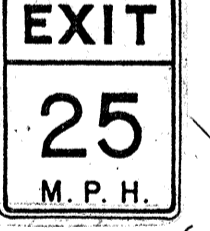
TRUE NORTH
Scale: 1"=40'

Install New Sign & Posts
END CONSTRUCTION
CG20-2

Install New Sign & Posts
ROAD CONSTRUCTION AHEAD
CW20-1d

Exist. Sign & Posts to Remain
 EAST KANEHOHE MCAS NEXT LEFT

Exist. Sign & Posts to Remain
 EAST KANEHOHE MCAS

Install New Sign & Posts

 W13-2(25)
 48" x 60"

Install New Sign & Posts
ROAD CONSTRUCTION AHEAD
 CW20-1d

Install New Sign & Posts
END CONSTRUCTION
CG20-2

45 M.P.H.

EAST INTERSTATE H3

M.L. KAM. HWY. # STA. 119+75
(See Sht. No. 15D for Continuation)

M.L. KAM. HWY. # STA. 128+00

M.L. KAM. HWY. # STA. 106+00
(See Sht. No. 15C for Continuation)

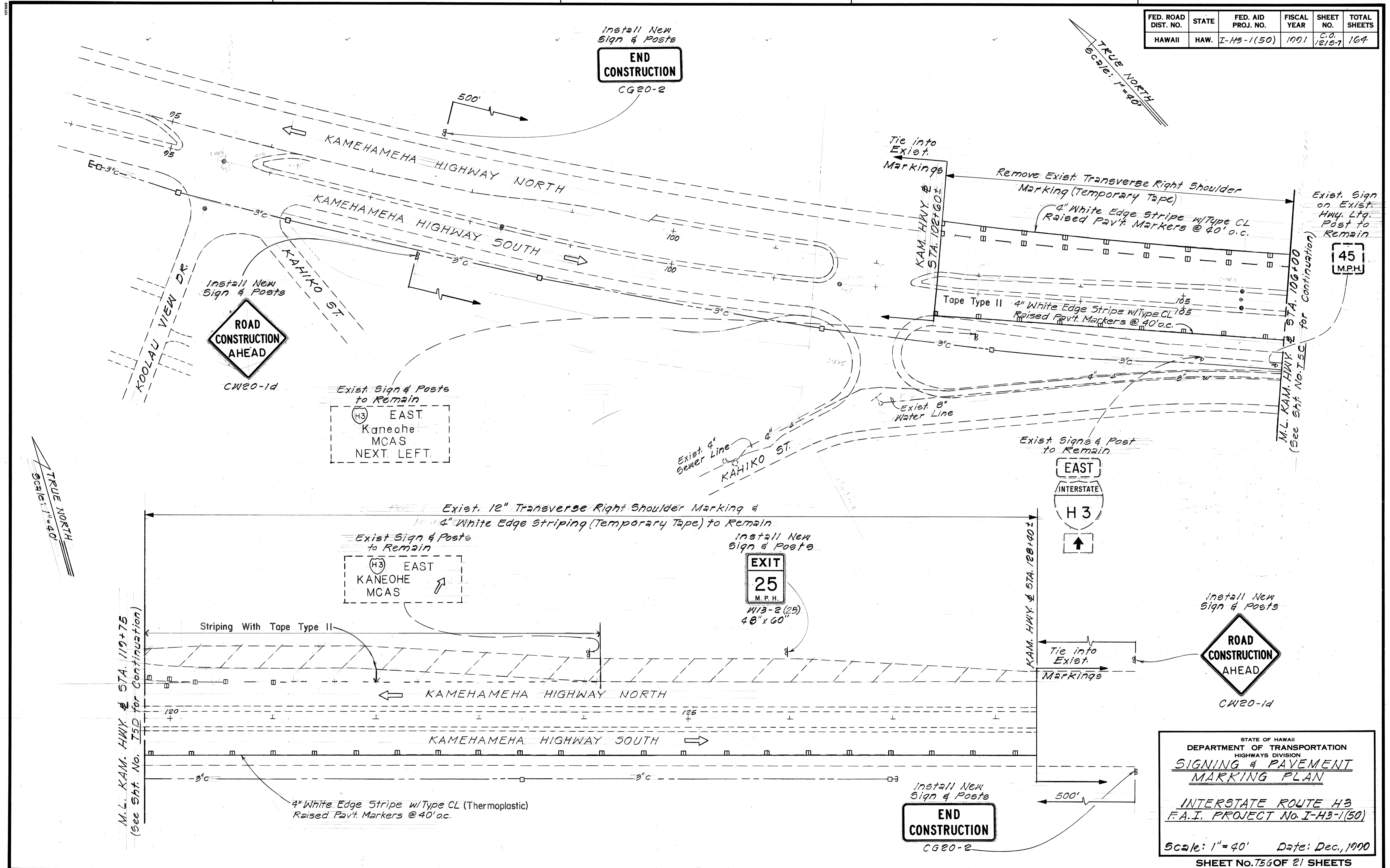
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN NOTE BOOK No.	_____

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
 INTERSTATE ROUTE H3
 F.A.I. PROJECT No. I-H3-1(50)
 Scale: 1"=40' Date: Dec., 1990
 SHEET No. 15G OF 21 SHEETS

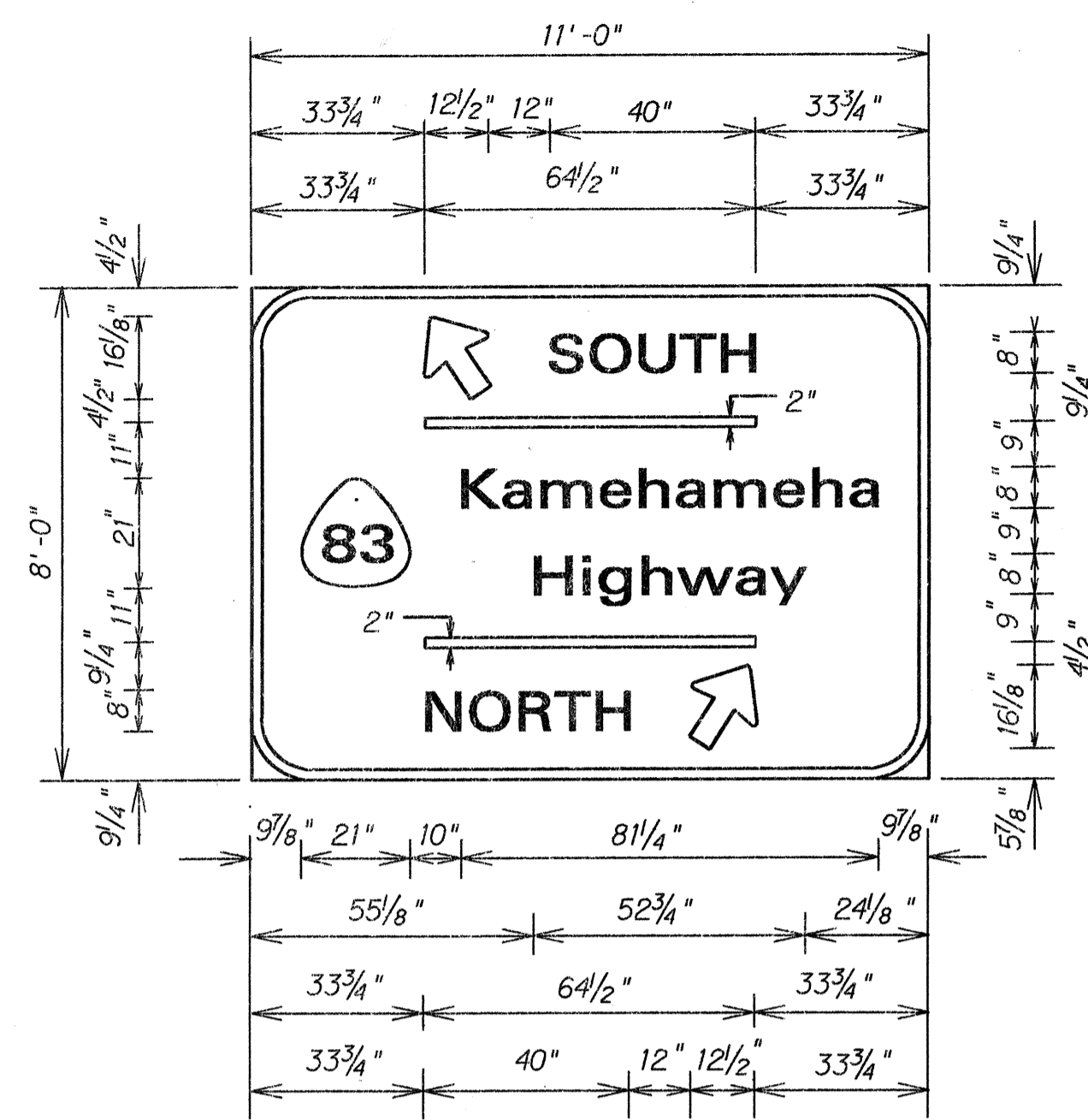
AS BUILT

C.O. 1215-7

TRUE NORTH
Scale: 1"=40'

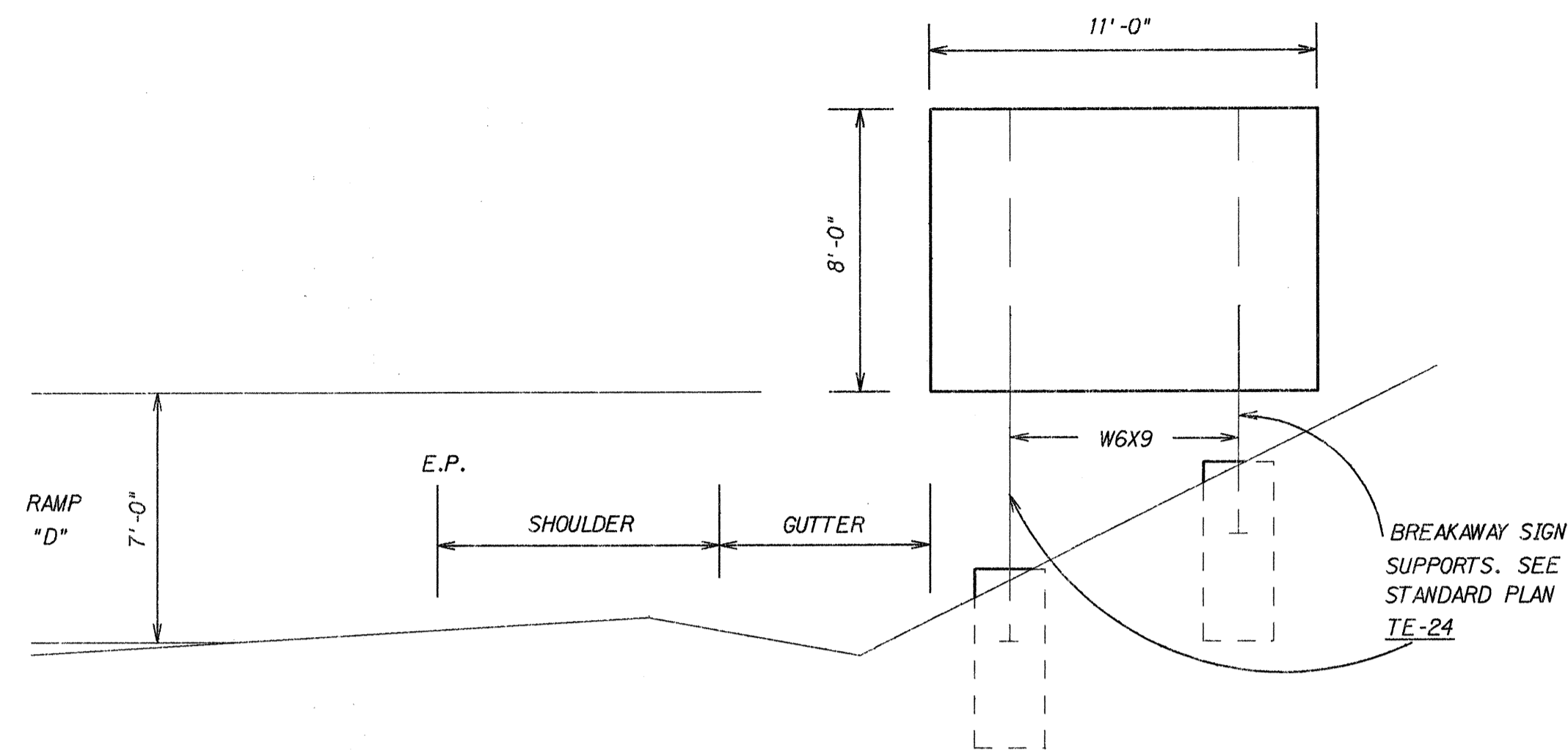


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1991	C.O. 121S-8	104



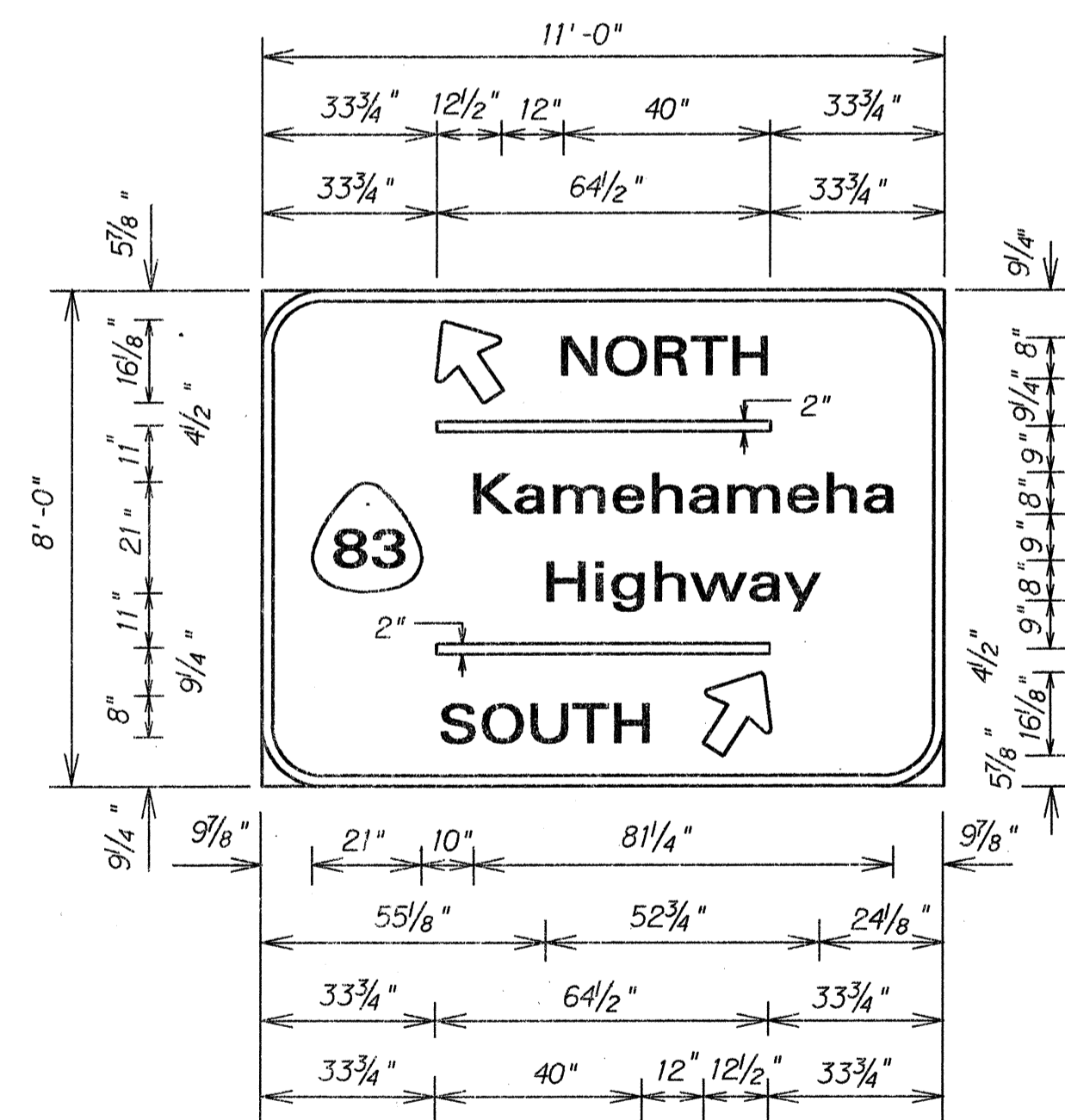
SIGN D-6

Scale: $\frac{3}{8}$ " = 1'-0"



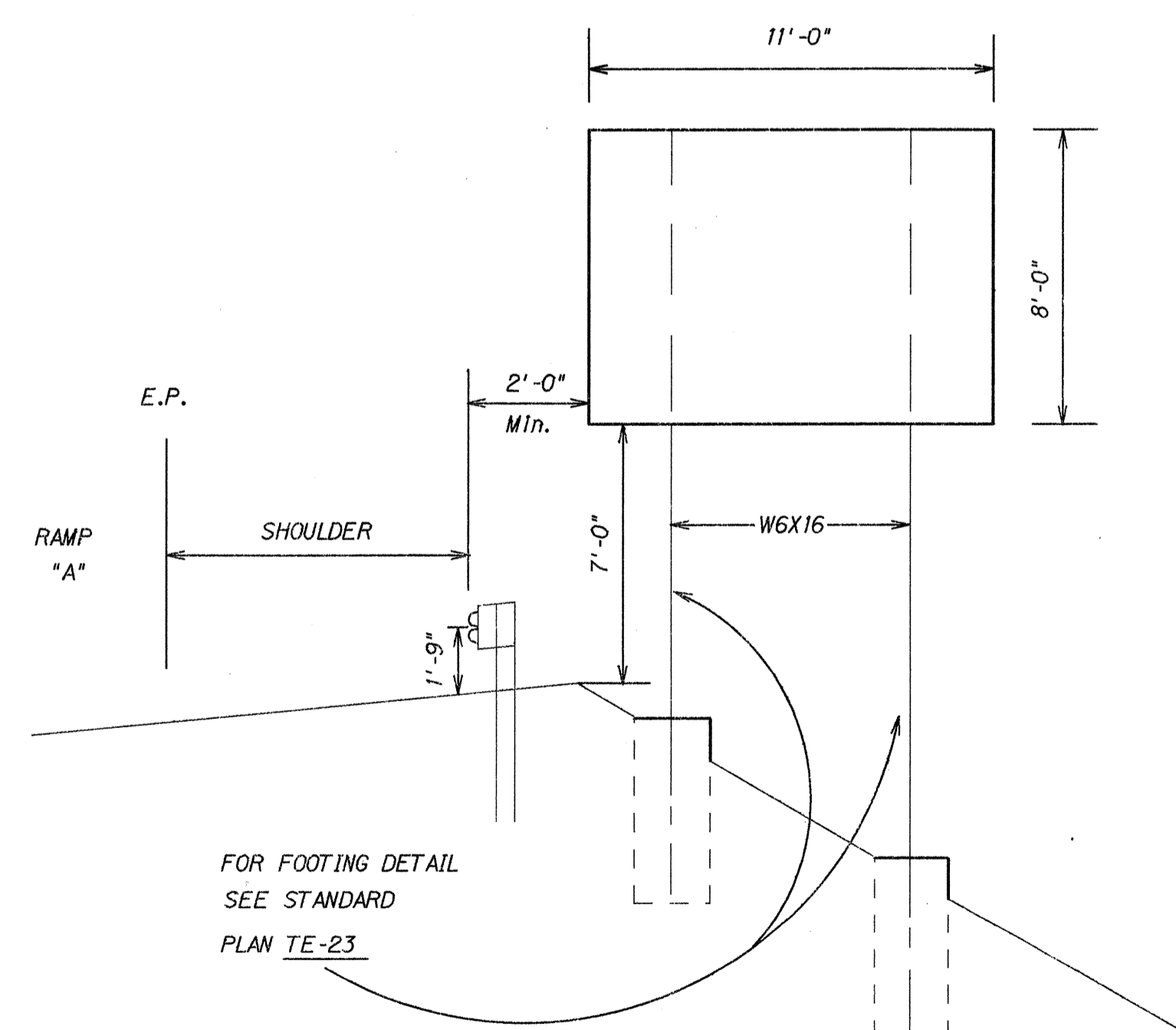
SIGN D-6

Not to Scale



SIGN D-7

Scale: $\frac{3}{8}$ " = 1'-0"



SIGN D-7

Not to Scale

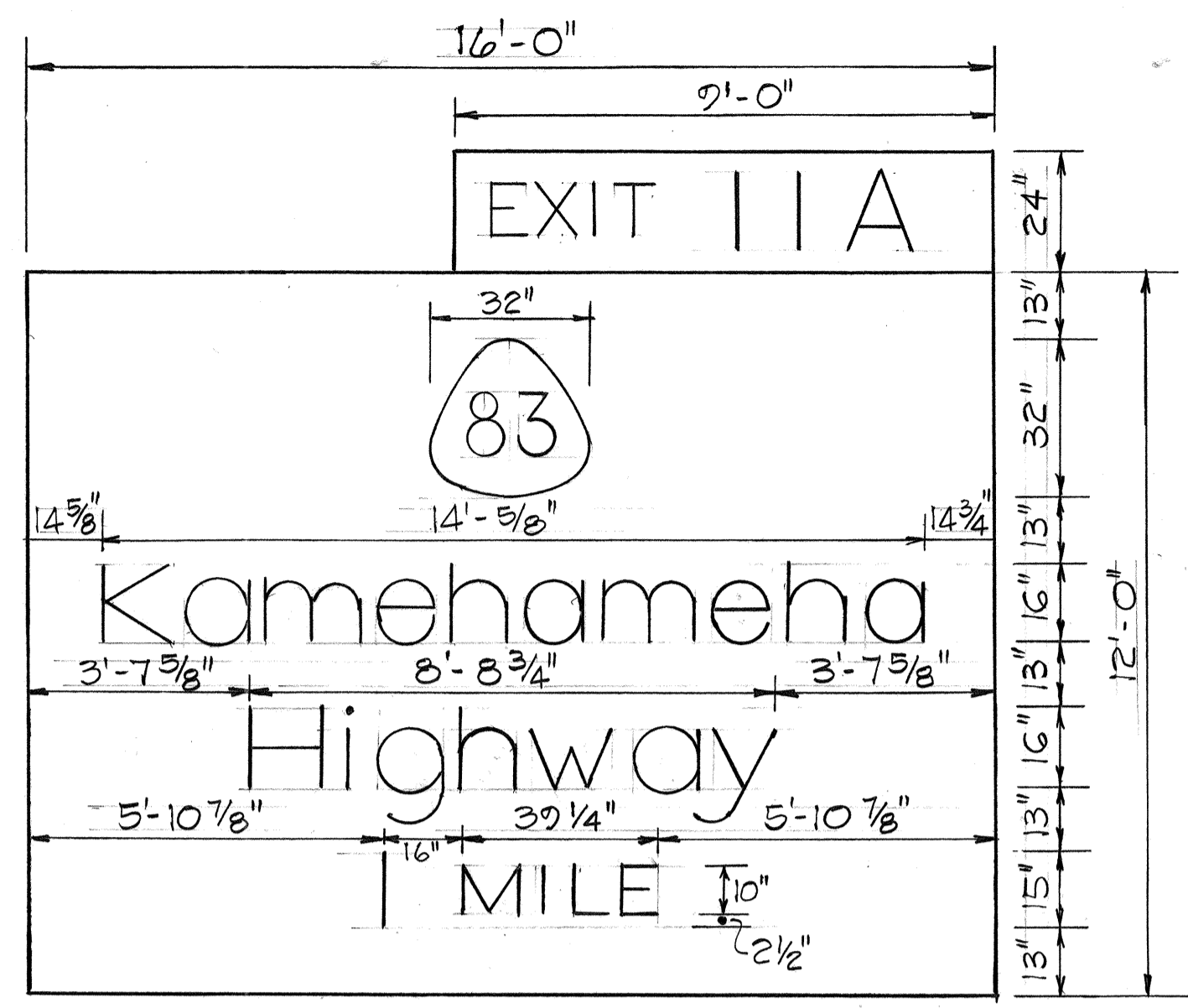
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGN PANEL
LAYOUT & NOTES
INTERSTATE ROUTE H3
F.A.I. PROJECT NO. I-H3-1(50)
Scale: As Shown Date: May, 1991
SHEET No. 75H OF 21 SHEETS

ORIGINAL PLAN
DATE
DRAWN BY
CHECKED BY
SURVEY PLOTTED BY
NOTE BOOK
QUANTITIES BY

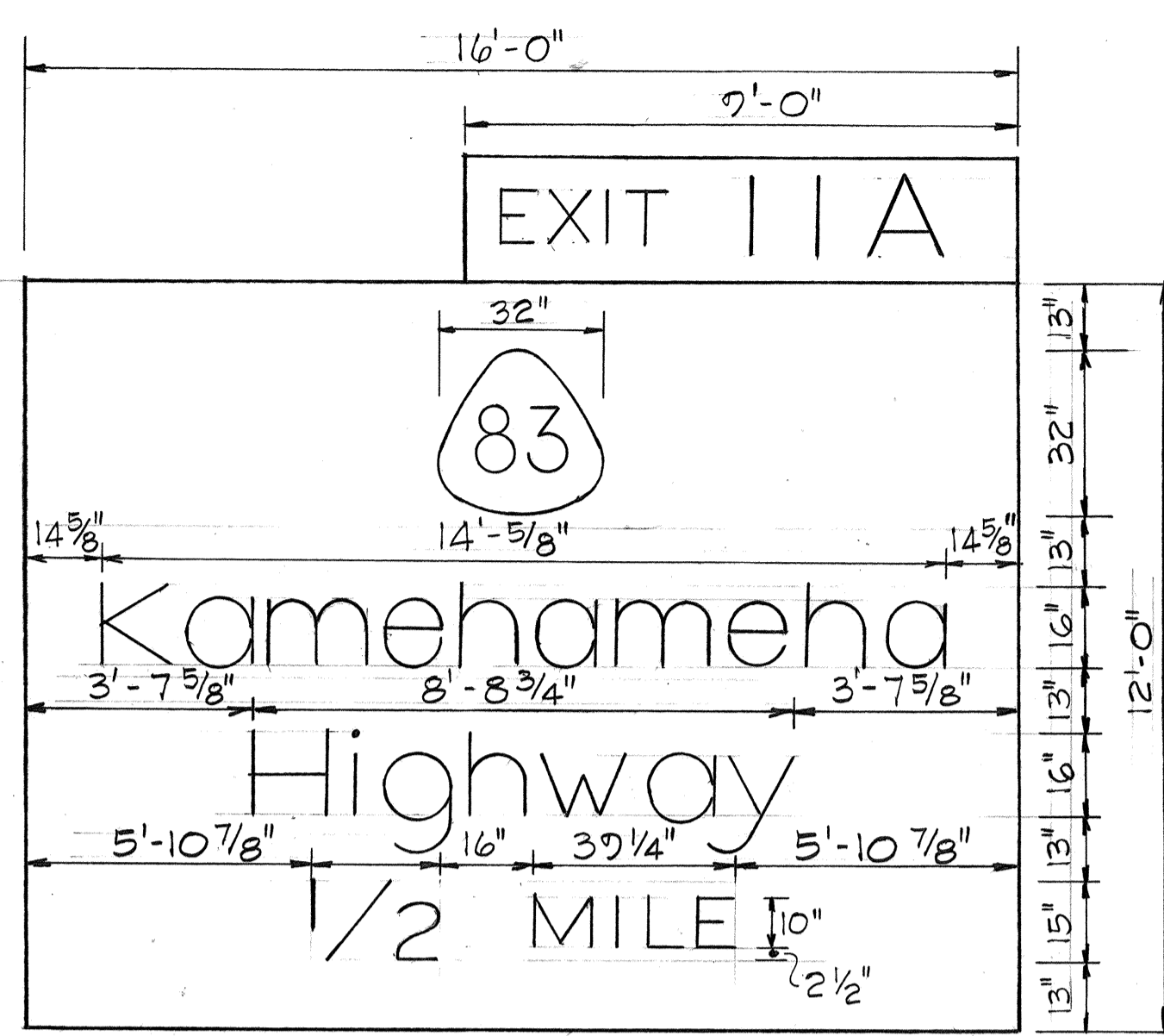
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1989	122	164

GENERAL NOTES

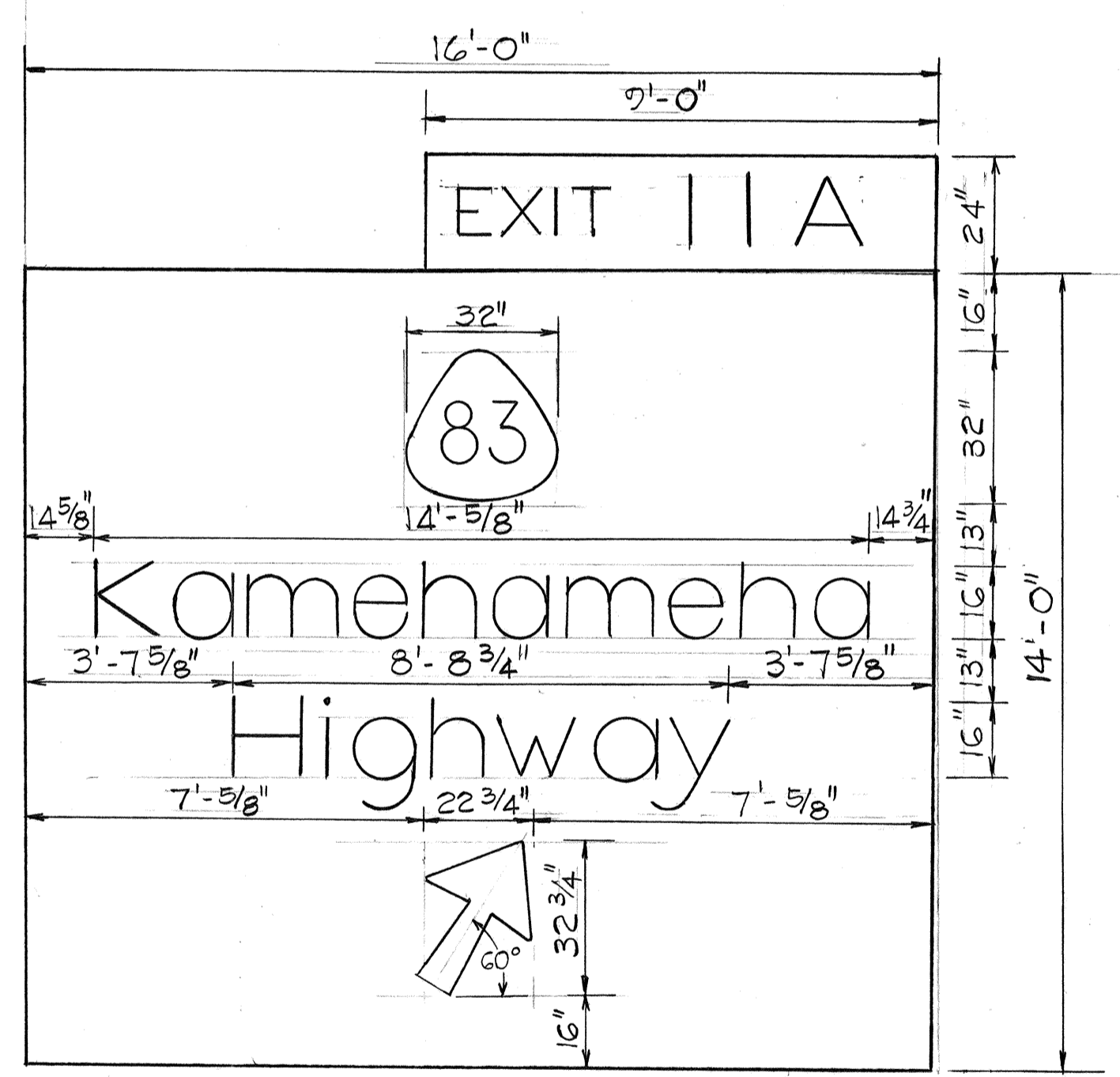
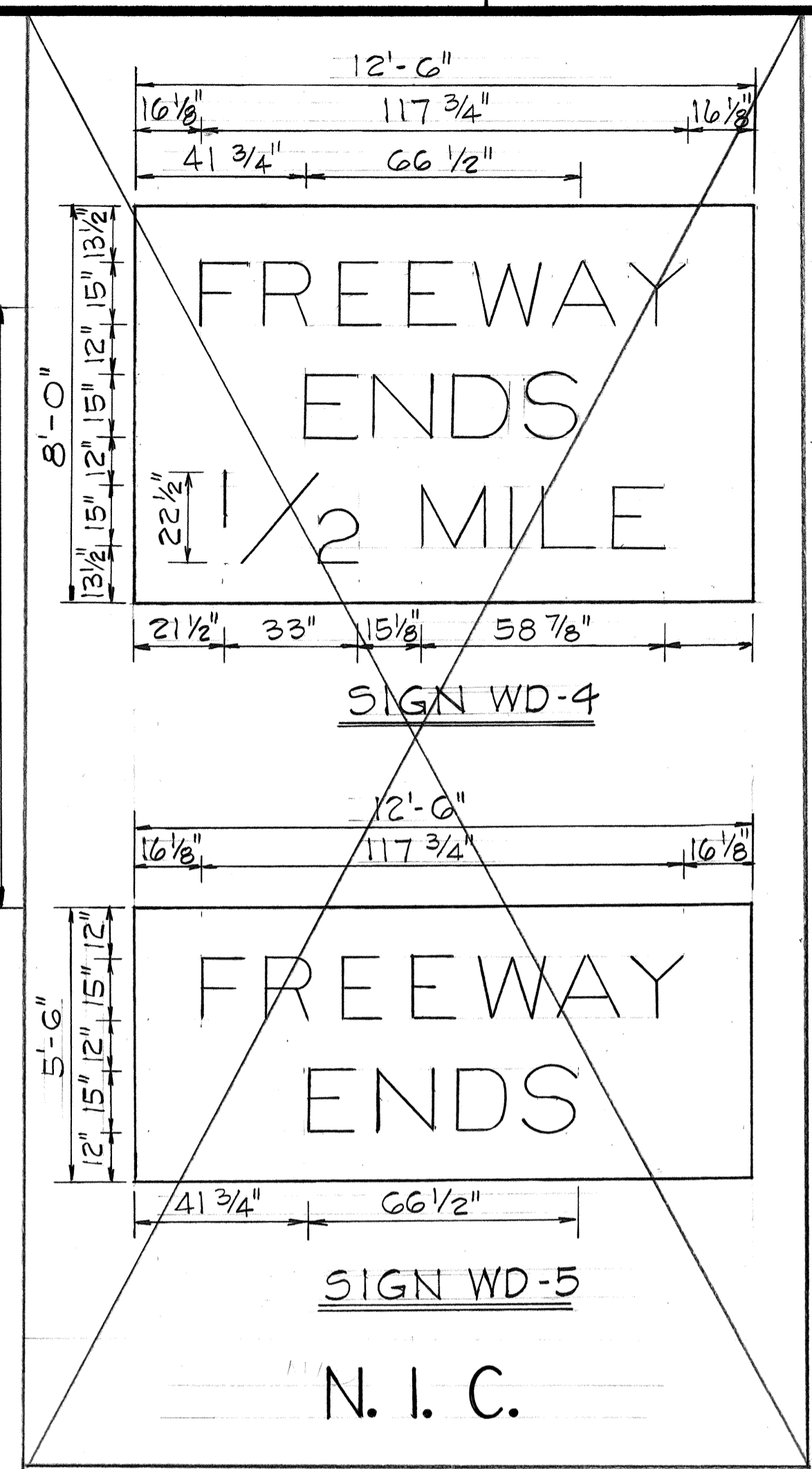
- Signs shall conform to the latest editions and amendments of the following FHWA publications:
 - "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD).
 - "Standard Highway Signs".
 - "Standard Alphabets for Highway Signs".
- Letter size:
 - When letters are all uppercase, use Series "E".
 - When initial uppercase letter is used in conjunction with lowercase letters, use Series "E" (M) for uppercase letter.
- Borders shall be 2" wide unless otherwise noted. Corner radii shall be in accordance with sheet DT 209.
- Interstate and State Route Marker symbols shall conform to details as shown on the plans and as specified in the MUTCD.
- New sign panels shall be laminated aluminum or extruded aluminum.
- For details of Exit Number Panels see sht. no. 8.
- For Arrow details see sht. no. 8.
- Guide signs prefixed with a "W" shall be fabricated in accordance with their respective specifications except the background shall be yellow and the borders and messages black.



SIGN D-1



SIGN D-2

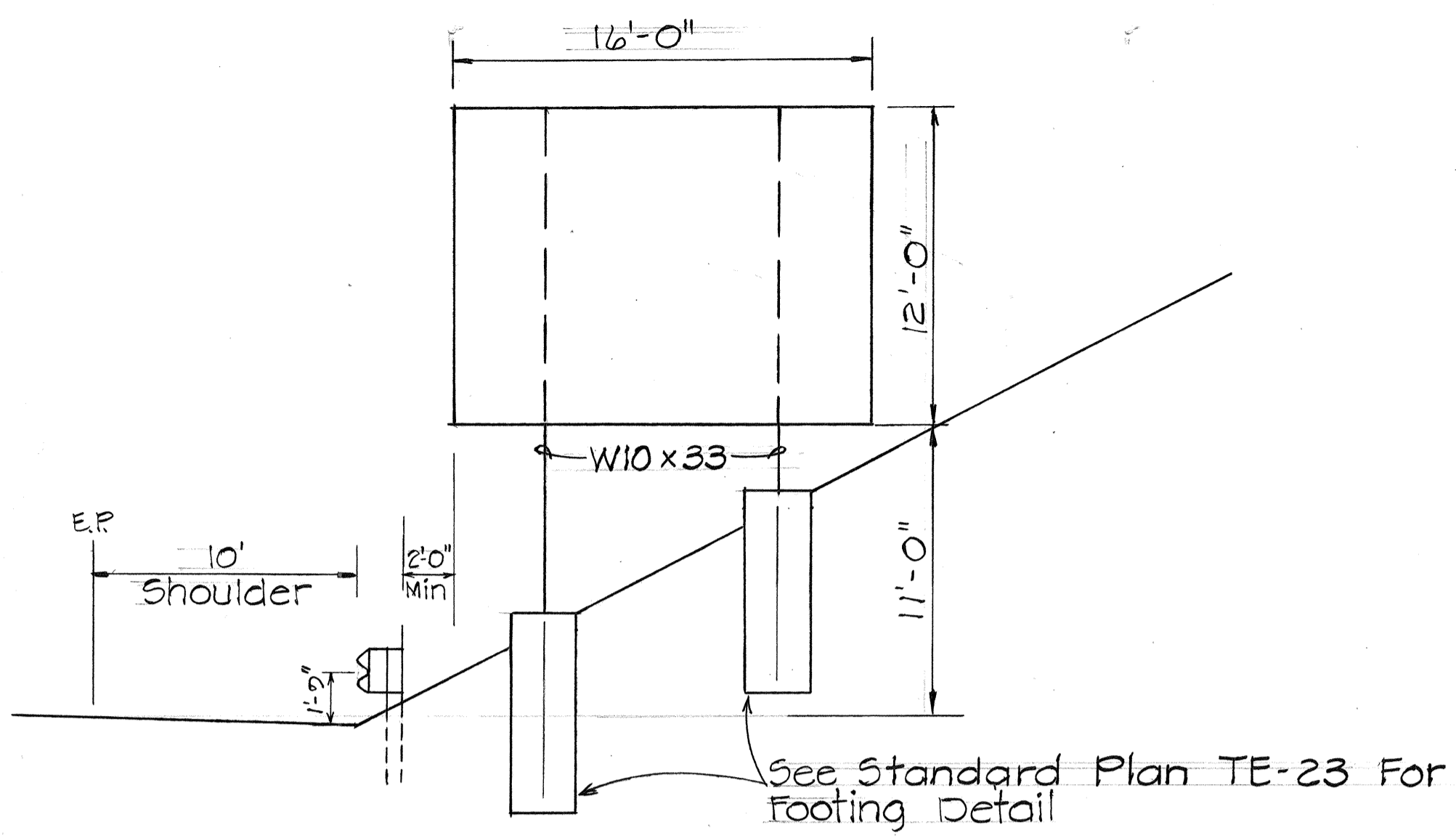


SIGN D-3

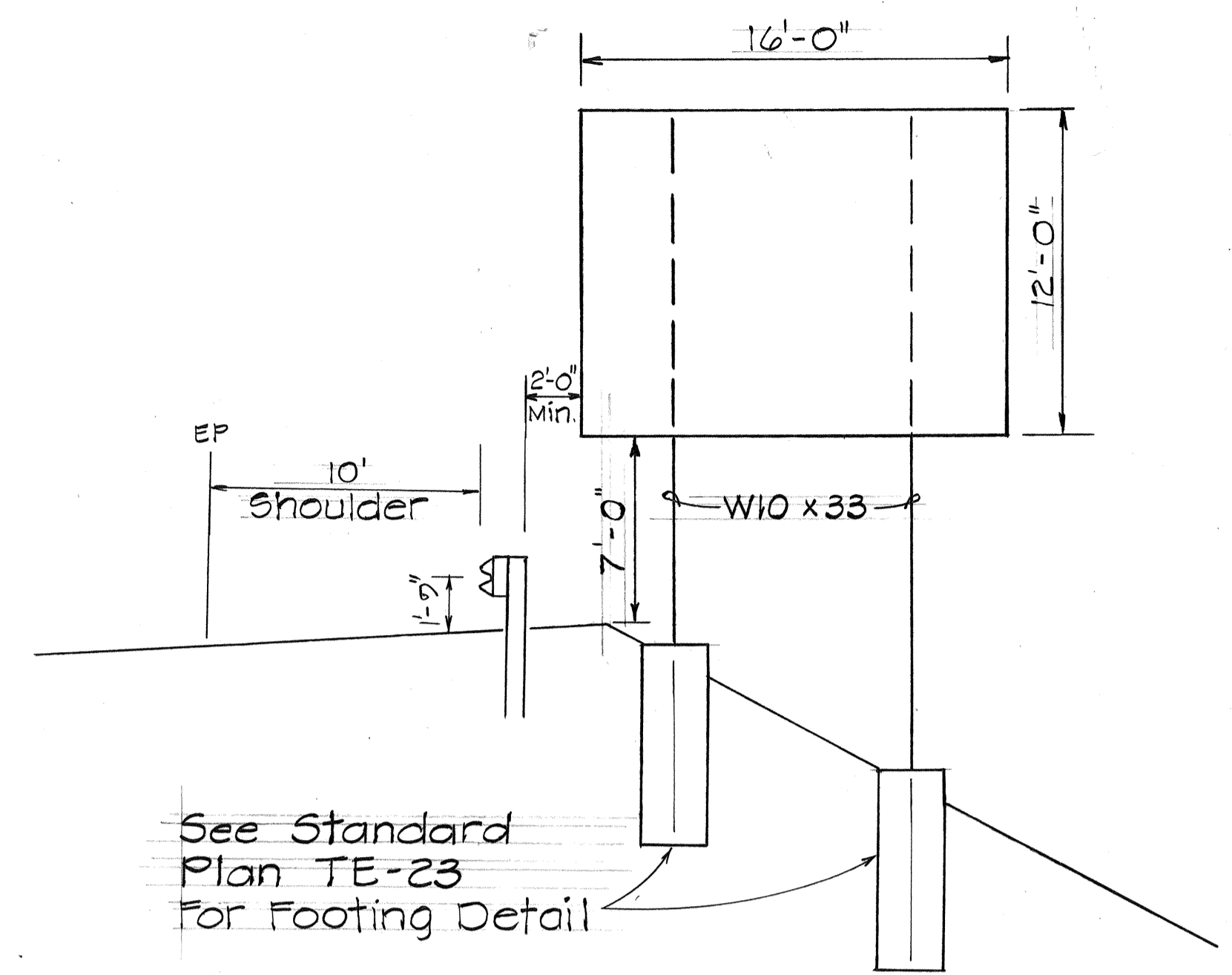
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
TRACED BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

5/15/91	Deleted Signs
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<u>PANEL LAYOUT</u>	
INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(50)	
SCALE: 3/8" = 1'-0"	DATE: AUG. 1988
SHEET NO. 16 OF 21 SHEETS	

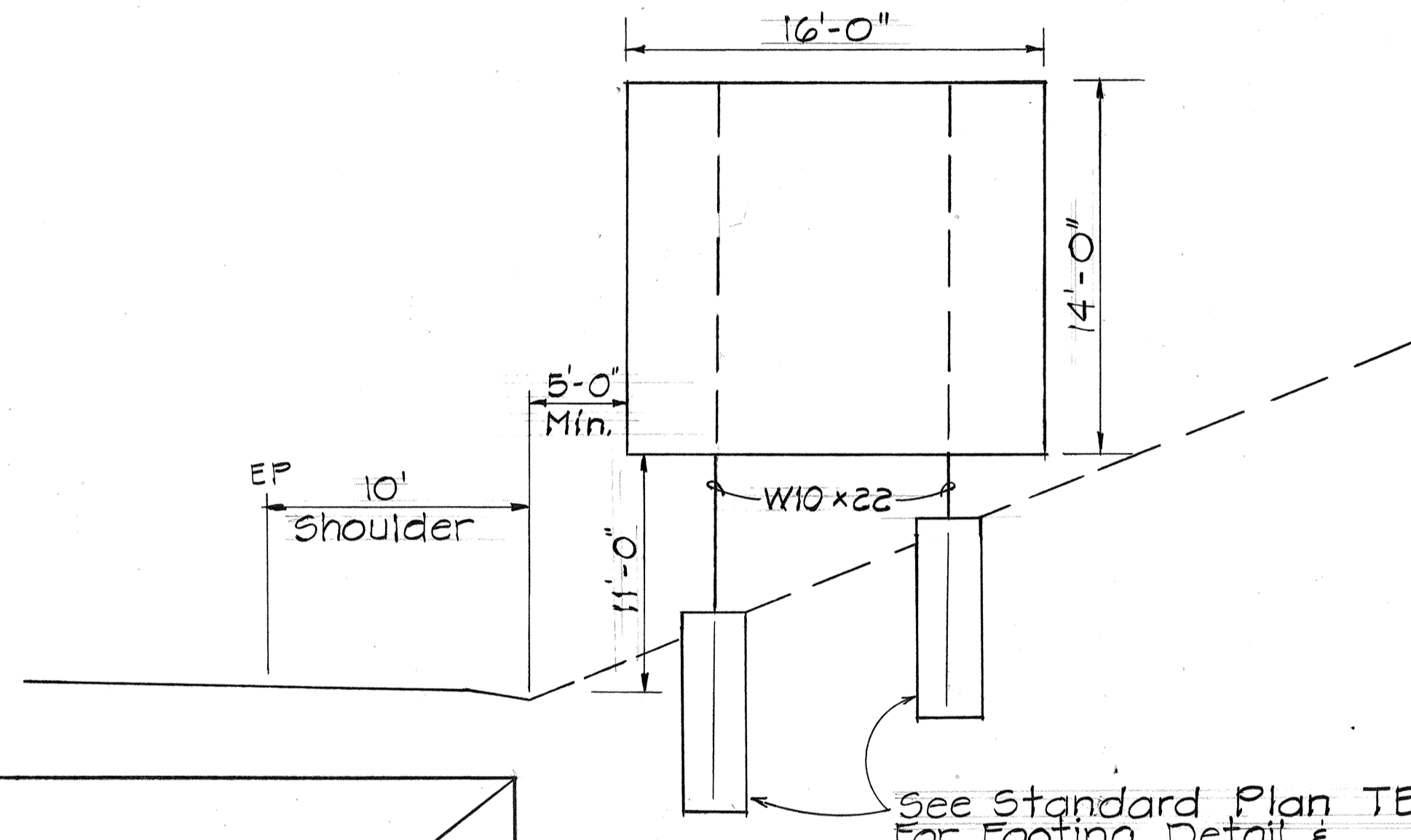
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1 (50)	1989	123	164



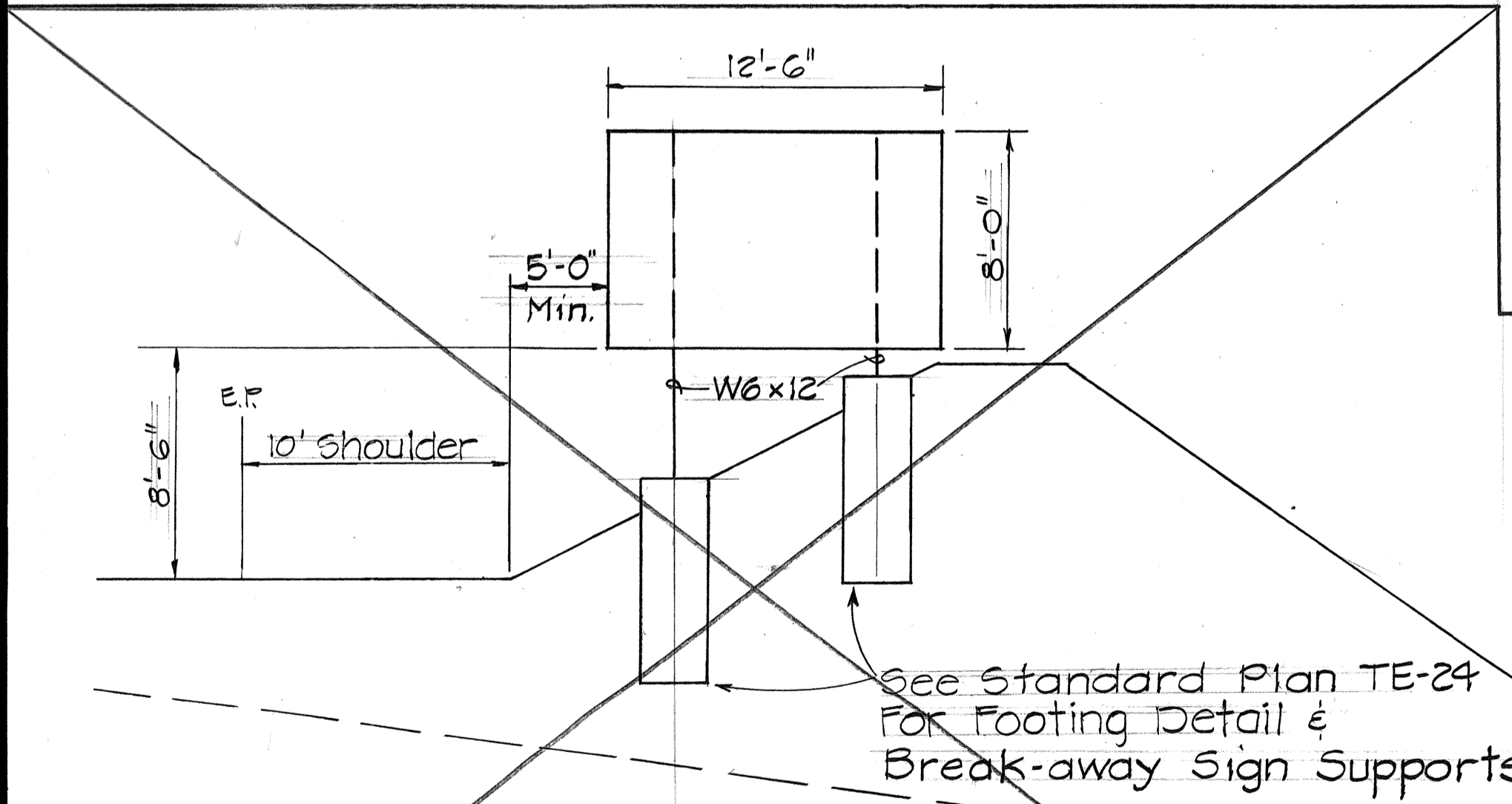
SIGN D-1
 @ STA. 436+00 RT.



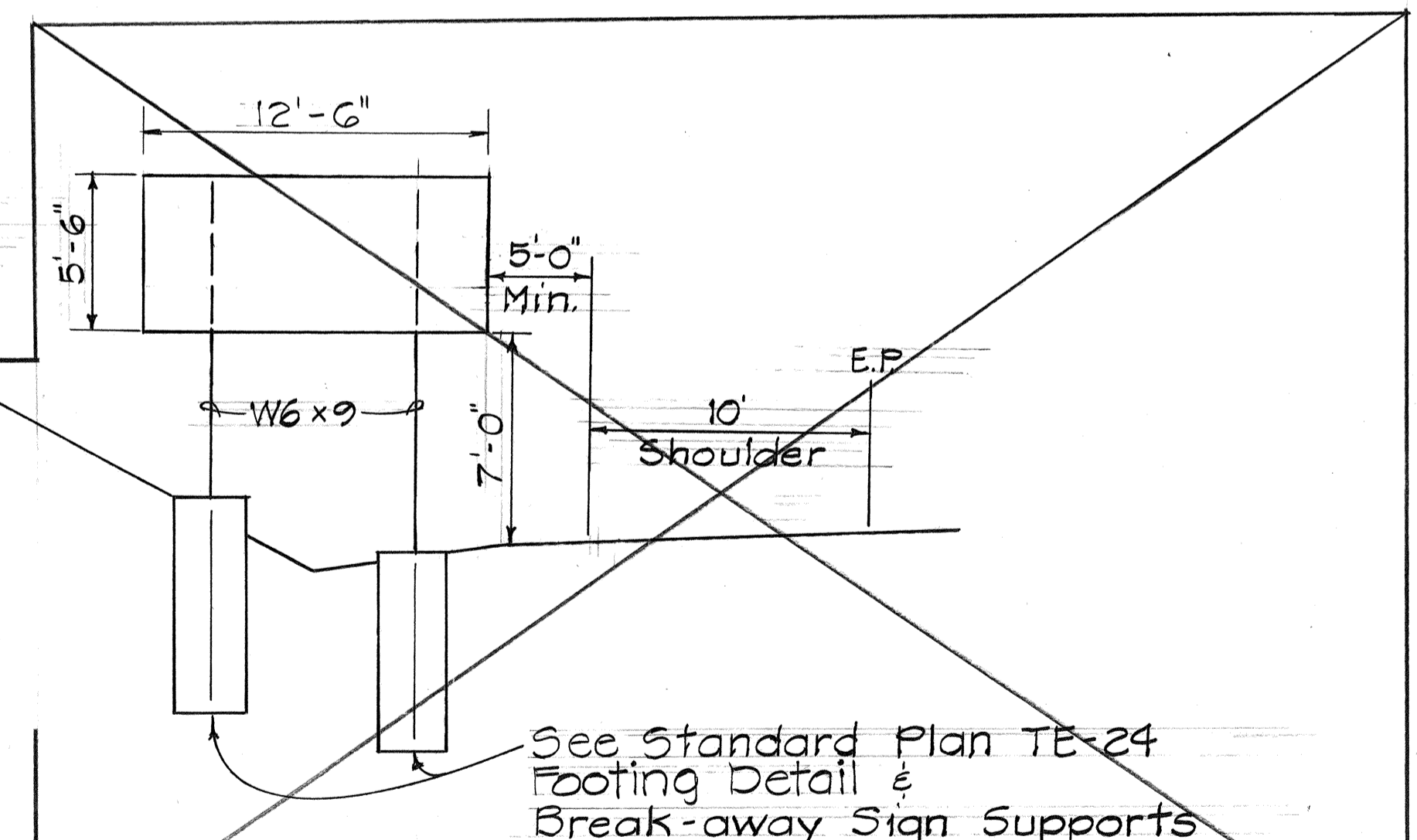
SIGN D-2
 @ STA. 462+50 RT.



SIGN D-3
 @ STA. 489+00 RT.



SIGN WD-4
 @ STA. 422+00 LT.



SIGN WD-5
 @ STA. 377+00 LT.

N. I. C.

* Exit Number Panel not shown, See Sht. No. 6.

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
TRACED BY	_____
NOTE BOOK	_____
QUANTITIES BY	_____
CHECKED BY	_____
No.	_____

5/15/91 Deleted Frame Layout

DATE REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

FRAME LAYOUT

INTERSTATE ROUTE H-3
 F.A.I. PROJ. NO. I-H3-1 (50)

SCALE: 3/16"=1'-0" DATE: AUG. 1988

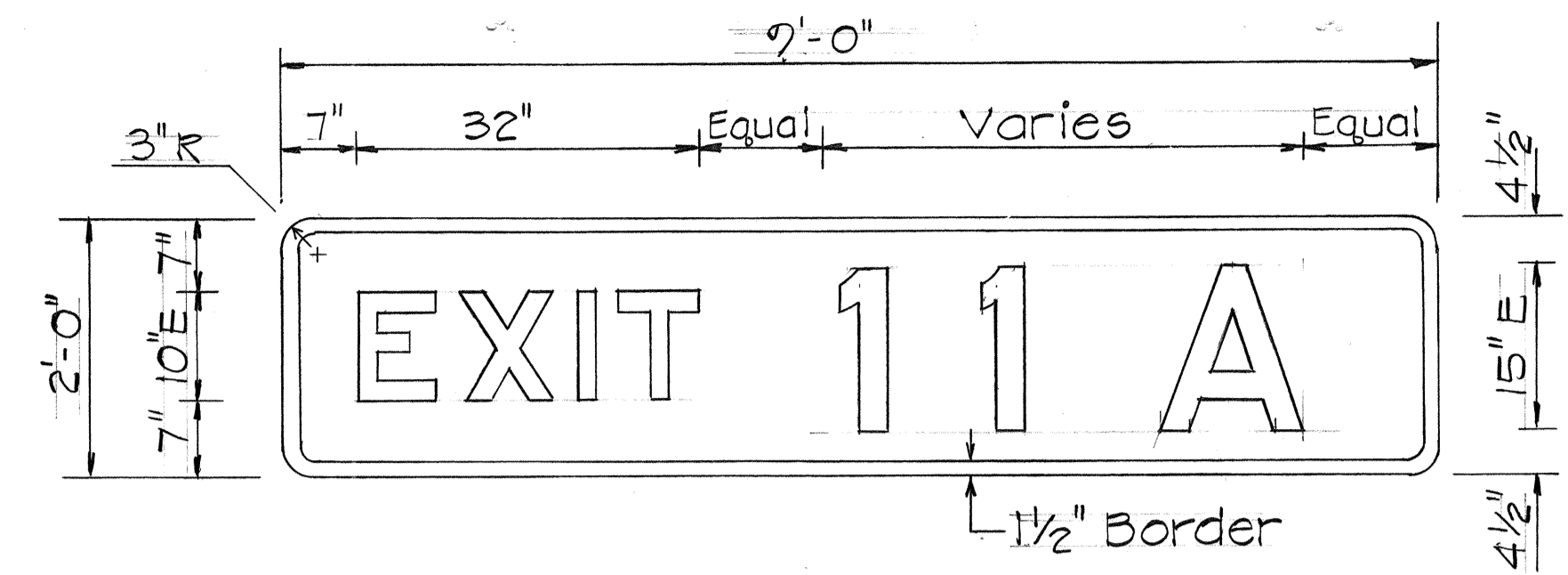
SHEET NO. 17 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1989	124	164

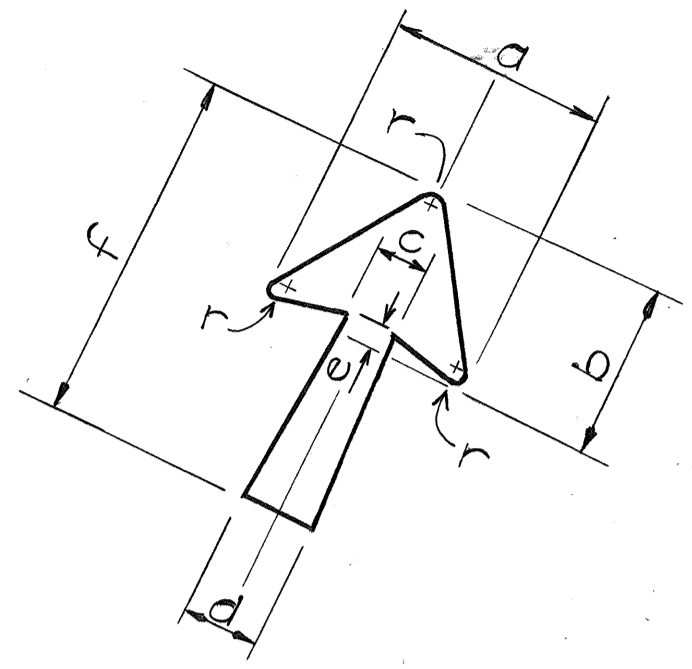
N.I.C.

TYPE	DESCRIPTION	PANEL AREA (SQ. FT.)
D-1	KAMEHAMEHA HIGHWAY 1 MILE	192.00
D-2	KAMEHAMEHA HIGHWAY 1/2 MILE	192.00
D-3	KAMEHAMEHA HIGHWAY	224.00

INSTALLED ABOVE SIGN NO.	DESCRIPTION	PANEL AREA (SQ. FT.)
D-1	EXIT 11-A	18.00
D-2	EXIT 11-A	18.00
D-3	EXIT 11-A	18.00



TYPICAL EXIT NUMBER SIGN
Scale: 3/4" = 1'-0"

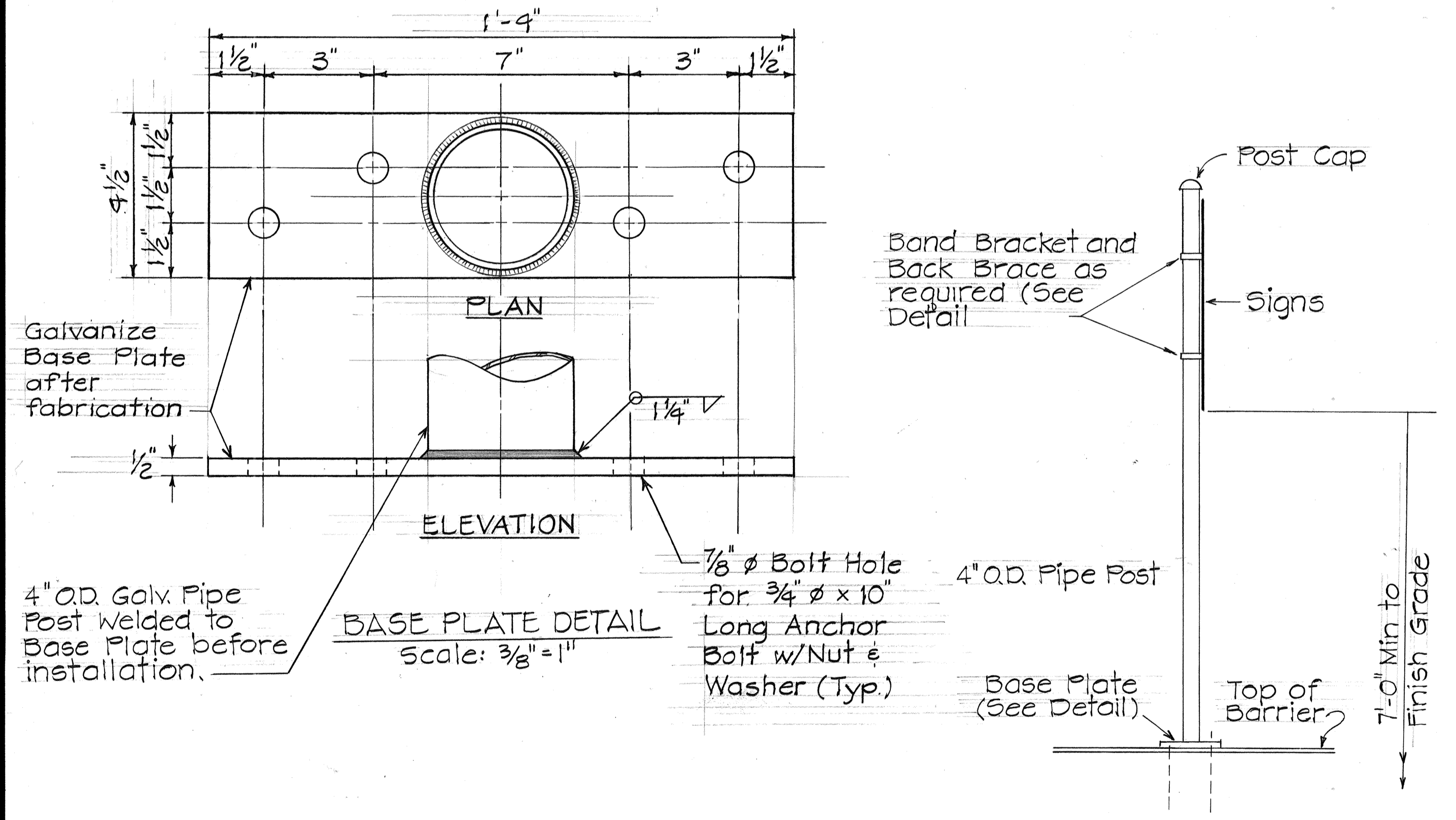


ARROW DETAIL
N.T.S.

SIGN NO.	a	b	c	d	e	f	r
D-3	22 1/4	17	5 3/8	7 1/8	1 3/4	35 5/8	1

EXIT NUMBER SIGN NOTES

- Exit Number Sign backing shall be of the same construction and material as the Guide Sign to which it will be attached.
- Shop drawings for the attachment of Exit Number Signs to Guide Signs shall be submitted by the Contractor to the Engineer for approval not later than 20 days after notice to proceed.



ELEVATION
Not to Scale

DETAILS OF SIGN MOUNTED ON CONCRETE BARRIER

5/15/91 Deleted Guide Sign Summary
DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

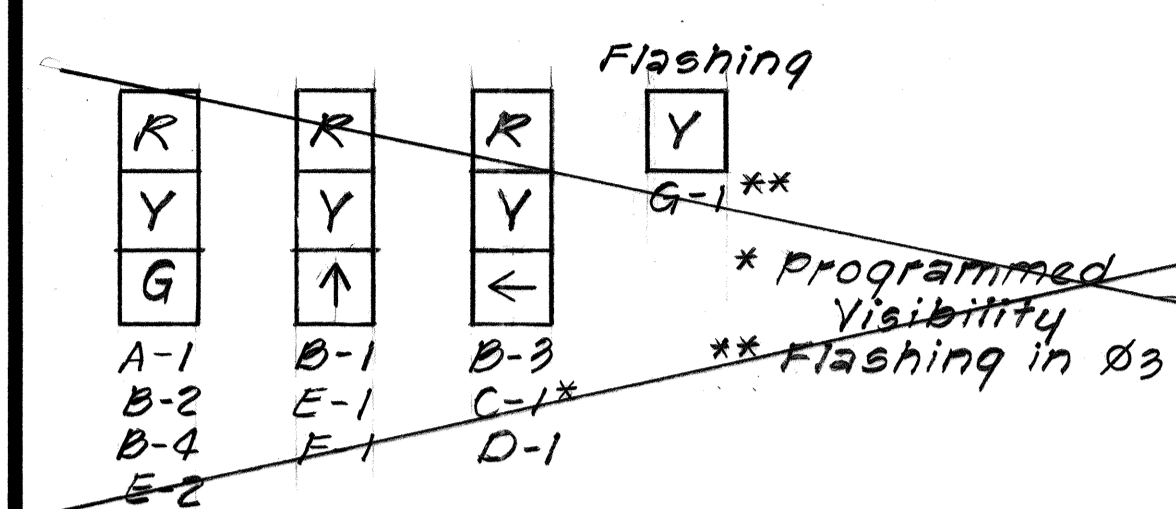
MISCELLANEOUS DETAILS
AND SUMMARIES

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1 (50)

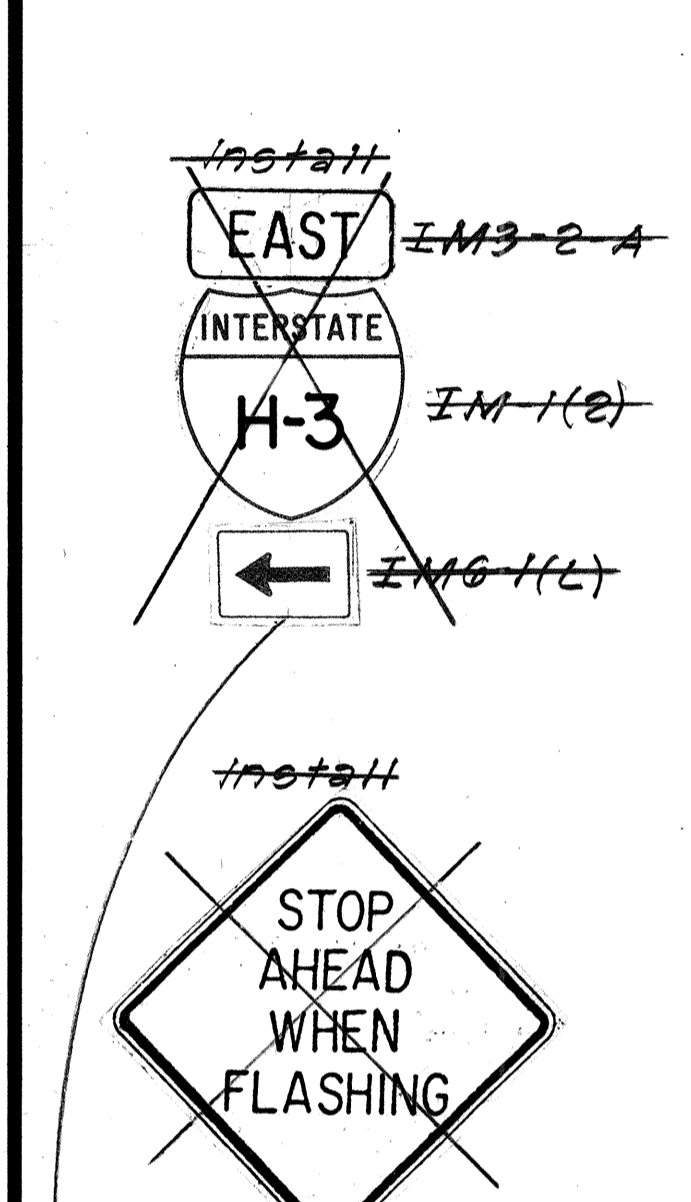
SCALE: AS SHOWN DATE: AUG. 1988
SHEET No. 124 OF 21 SHEETS

DATE	
SURVEY PLOTTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1989	ADD. 124 S-1	164

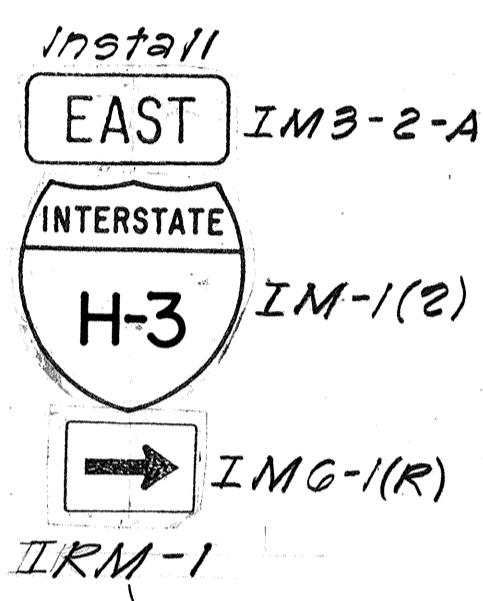


TRUE NORTH
Scale: 1" = 20'



CONDUIT	CABLE
2"	1-26c #14
2"	1-26c #14
2"	2-2c #14
2"	3-2c #14
2"	1-3c #8
2"	1-3c #8

CONDUIT	CABLE
2"	2-26c #14
2"	3-2c #14



CONDUIT	CABLE
2"	2-26c #14
2"	2-2c #14

H3-4 and Flashing Beacon on Street Light Standard

CONDUIT	CABLE
2"	1-26c #14
2"	3-2c #14
2"	1-3c #8

Install (8 Ea.) Flexible Delineator Post w/IKM-3 @ 4' o.c. (Typ.)

CONDUIT	CABLE
2"	1-26c #14
2"	2-2c #14
2"	1-3c #8

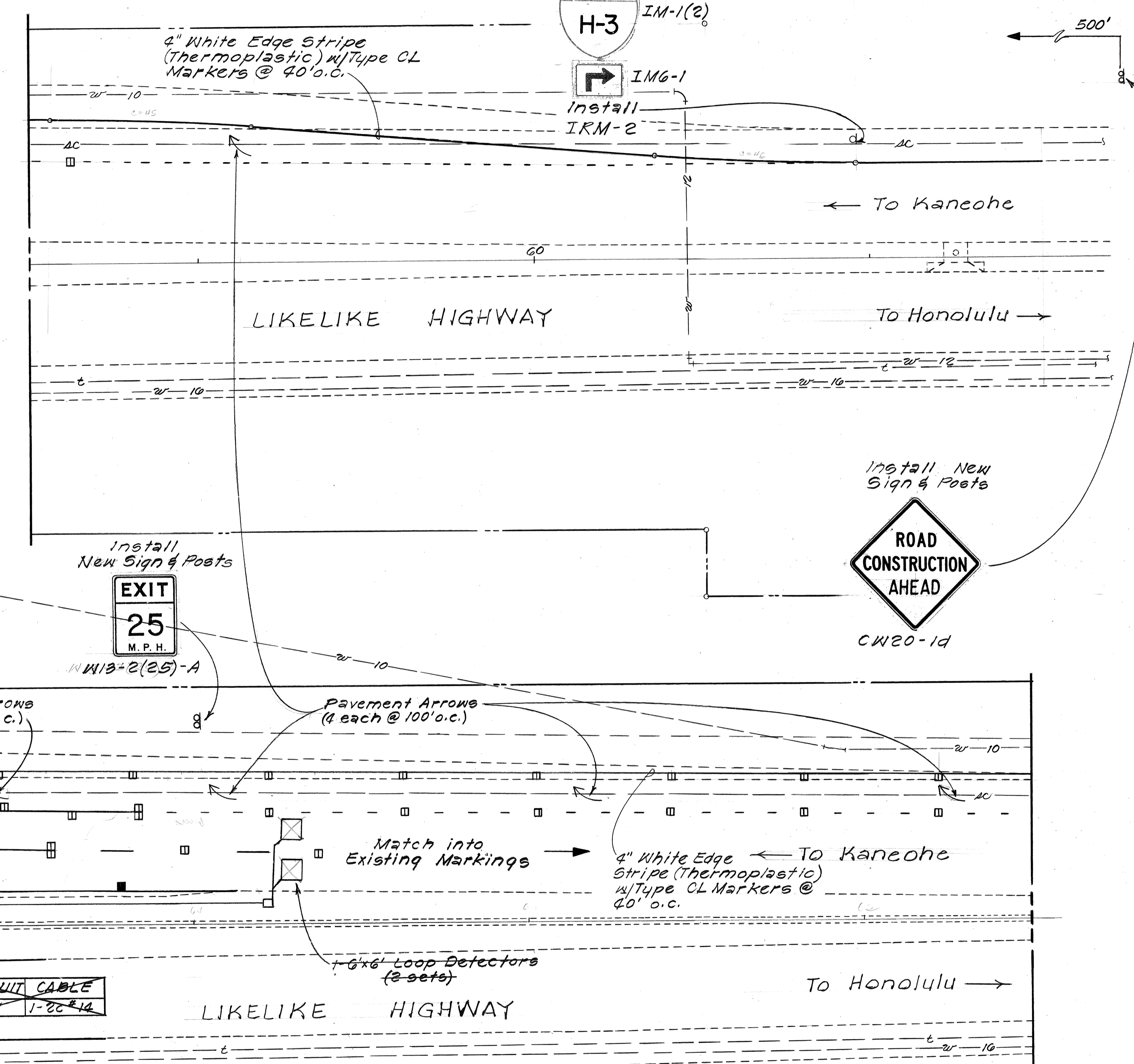
CONDUIT	CABLE
2"	1-26c #14

CONDUIT	CABLE
2"	1-3c #8

CONDUIT	CABLE
2"	2-2c #14
2"	1-3c #8

Install Conduit/Cable to Transformer @ Sta. 79+70 & Construct Pullboxes @ Sta. 79+00, 75+50 and 78+00.

DELETE TRAFFIC SIGNAL SYSTEM



DATE	REVISION
8/14/91	Delete Traffic Signal System
5/15/91	Revised Signing, Striping Plan

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & STRIPING PLAN
TEMPORARY CONN. - LIKELIKE HWY.

INTERSTATE ROUTE H-3
F.A.I. PROJ. No. I-H3-1(50)

Scale: 1" = 20' Date: Feb, 1989

SHEET NO. 10A OF 21 SHEETS




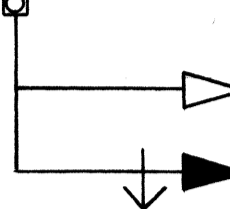



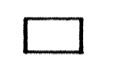
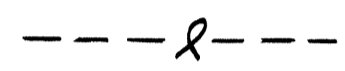
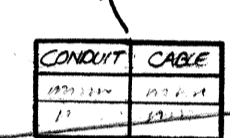
AS BUILT

C.O. ADD. 124 S-1

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1989	ADD. 124S-2	164

LEGEND

-  New Traffic Signal Controller (2-8 0)
-  New 12" Traffic Signal Head
-  New 12" Traffic Signal Head (Programmed Visibility)
-  New Type II Traffic Signal Standard (Mast Arm Length & Signal Head Spacing as Specified) Signal Heads as Specified.
-  New Type I Traffic Signal Standard. Signal Heads as specified.
-  New Loop Detector
-  New Type A Pullbox
-  New Type B Pullbox
-  Existing Underground Street Lighting Conduit w/Cables
-  New Traffic Signal Conduit & Cable (as shown)

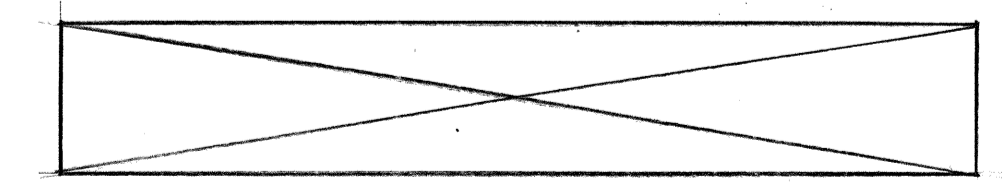
CONSTRUCTION NOTES

1. Locations of existing underground structures and utilities such as pipelines, conduits, cables, etc., shown on plans are approximate only. It is not the intent of these plans to show the exact location of all underground utilities and structures. It is the responsibility of the Contractor to verify the locations of all existing utilities with the respective Owners. Existing utilities damaged by the contractor shall be repaired by the Contractor at his own cost.
2. The Contractor shall verify and check all dimensions and details shown on the drawings prior to the start of construction. Any discrepancy shall be immediately brought to the attention of the Engineer for clarification.
3. The Contractor shall tone and locate existing utilities along ductline prior to excavation.
4. The locations of the Traffic Signal Standards, Traffic Signal Standards with Mast-Arm, Pedestrian Push Buttons, Traffic Controller, Pullboxes, Conduits and Loop Detectors shall be staked out in the field by the Contractor and approval of the locations shall be obtained from the Engineer prior to construction and installation.
5. All traffic signal work shall conform to the requirements of the "Manual on Uniform Traffic Control Devices for Streets and Highways", Federal Highway Administration (1978) and amendments.
6. Locations of Pavement Striping, Markers, and Markings (Pavement Arrow, Stop Lines, Crosswalk, etc.) Shown on the plans shall be verified with the Engineer prior to the installation of the Traffic Signal System.
7. Maintenance of traffic through the construction area shall be in accordance with Part VI of the "Manual on Uniform Traffic Control Devices for Streets and Highways", Federal Highway Administration (1978) and as specified in the special provisions. The Contractor shall furnish and maintain adequate Barricades, Blinkers, Construction Signs, etc. for the safety of the motoring public.
8. The new Traffic Signal Controller shall be a Model 170 Traffic Signal Controller with auxiliary equipment and shall control the traffic signals as called for in the plans.
9. Construction of Signal Systems will be subject to the inspection of the City & County DTS in addition to that of the State.

TRAFFIC SIGNAL NOTES

1. All Traffic Signal Controller equipment shall be completely wired in the Cabinet and shall control the Traffic Signals as called for in the plans.
2. Signal Indications during clearance interval:
 - A. If a signal is G or ~~G~~ and will remain G or ~~G~~ during the next phase. It shall be G or ~~G~~ during the clearance interval.
 - B. If a signal is G or ~~G~~ and will become R or extinguished during the next phase, it shall be Y or ~~Y~~ during clearance interval
 - C. If a signal is R and will remain R or becomes G during the next phase, it shall remain R during the clearance interval.
3. The loop amplifier units furnished for this project shall be capable of operating the loop detector configurations shown on the plans.
4. A solid #8 bare copper wire shall be pulled with the traffic control cable for equipment ground. Cost shall be incidental to the installation of the control cable.
5. Conduits, Overhead Cable and Cabinet Locations as shown on the plans are schematic. They may be modified by the Contractor with the approval of the Engineer.
6. The Contractor shall splice all signal conductors in pullbox. No splices shall be permitted in detector lead-in cable.
7. The Contractor shall install the State furnished Controller and Cabinet in the indicated location.
8. No splices shall be permitted in the communications cable except at the Controller Cabinet as indicated on the plans.
9. Costs for extra cable lengths required from existing pullbox to new Cabinet location shall be considered incidental to other work items.

DELETED FROM CONTRACT



DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

5/15/91	Deleted Legend, Traffic Signal Notes
DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
LEGEND & NOTES

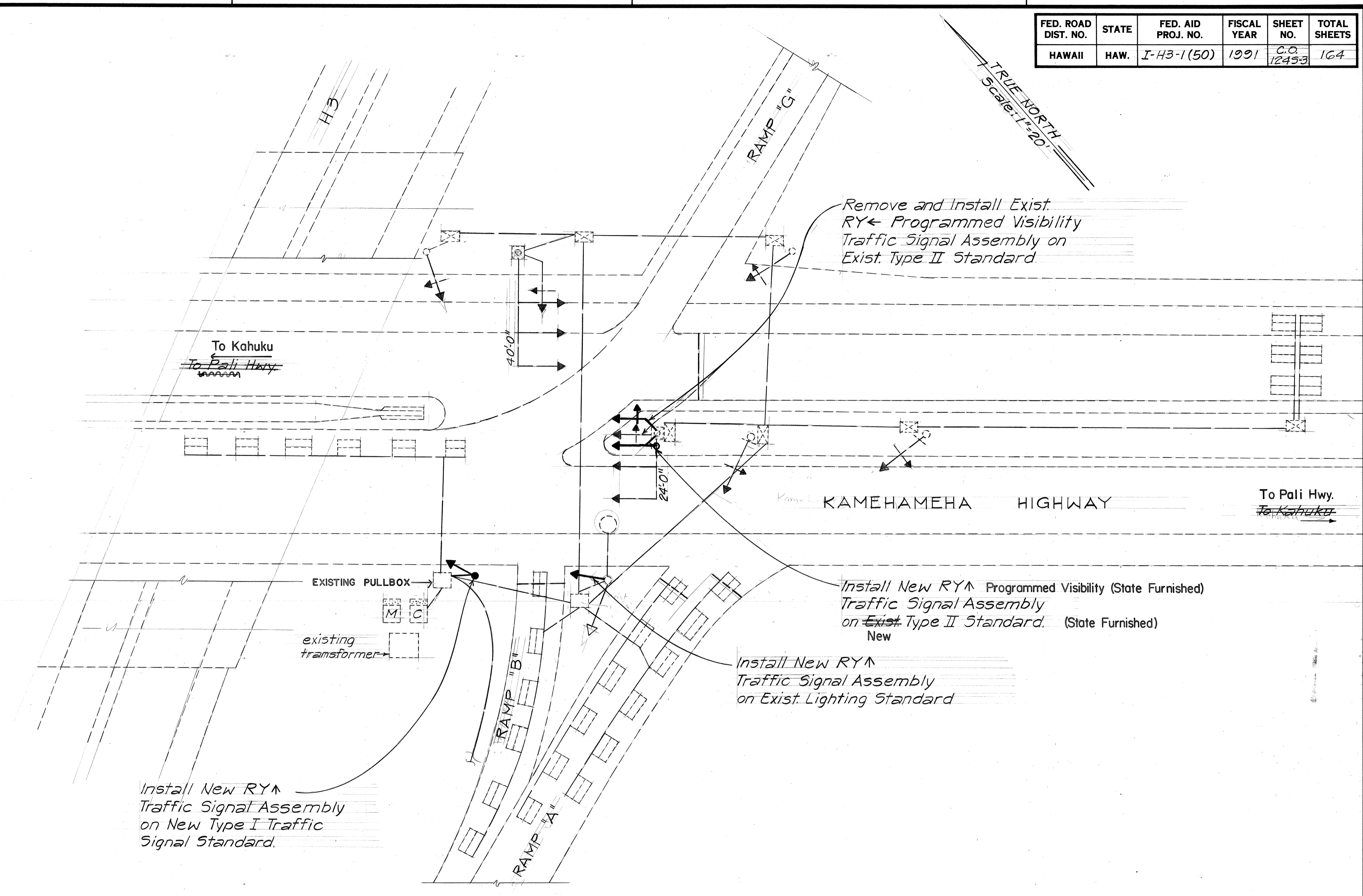
INTERSTATE ROUTE H-3/3
 F.A.I. PROJ. No. I-H3-1(50)

Scale: 1" = 40' Date: Feb, 1989

SHEET NO. 788 OF 21 SHEETS

C.O. ADD. 124 S-2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(50)	1991	C.O. 1245-3	164



NOTE:
See Standard Plan TE 38 For Type I
Signal Standard Footing Detail.

8/14/91	Revise Existing Traffic Signal System (C.C.O. #49)
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TRAFFIC SIGNAL SYSTEM REVISION AT HALEKOU INTERCHANGE F.A.I. PROJECT No. I-H3-1(50)	
Scale: 1"=20'	Date: Jan, 1991
SHEET No. OF SHEETS	

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

AS BUILT

C.O. 1245-3